## SONY.

VIDEOCASSETTE PLAYER

# BVW-65P



### BETACAM ET ...

MAINTENANCE MANUAL Volume 2 3rd Edition (Revised 10) Serial No. 10061 and Higher EBU N-10 LEVEL

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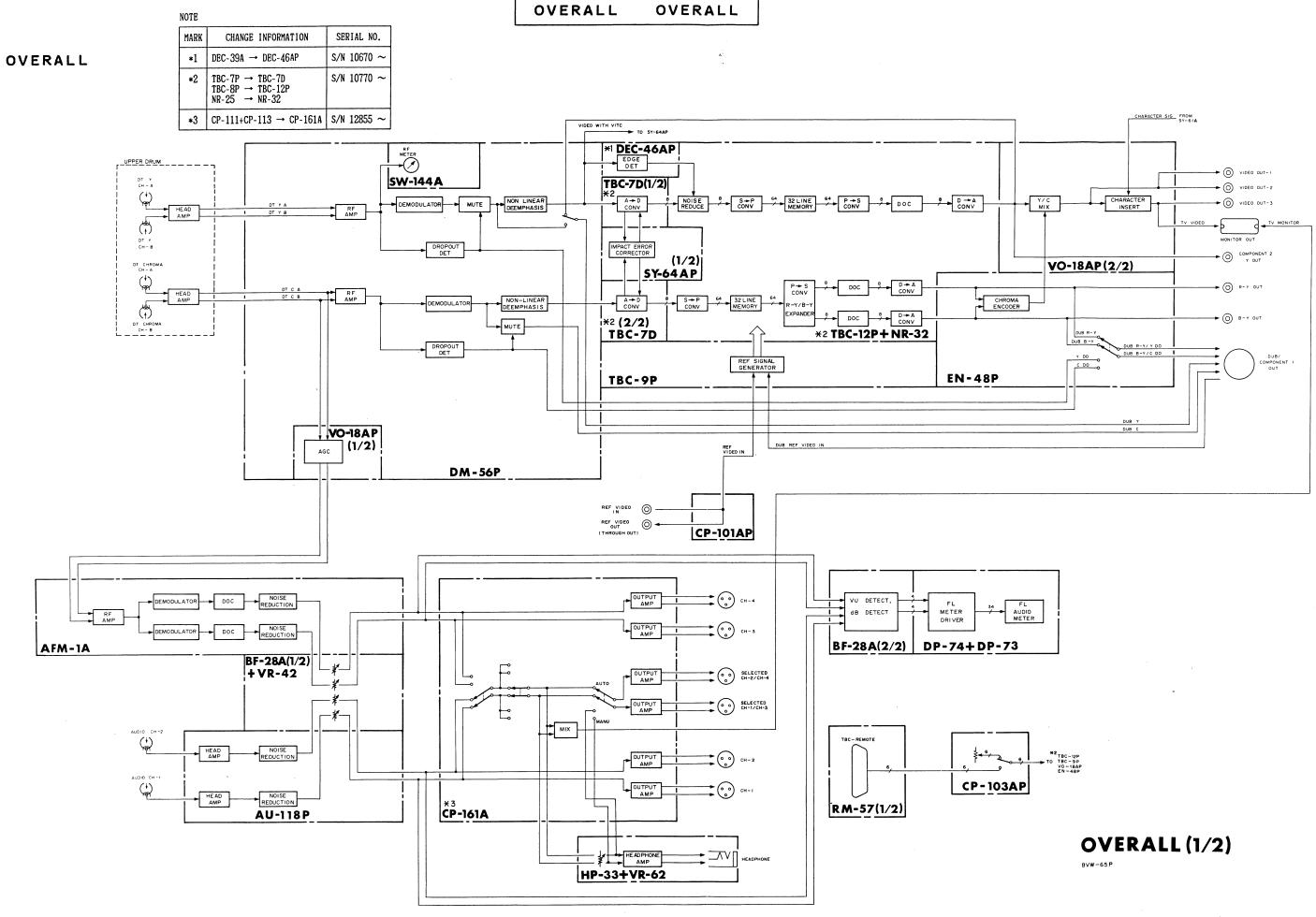
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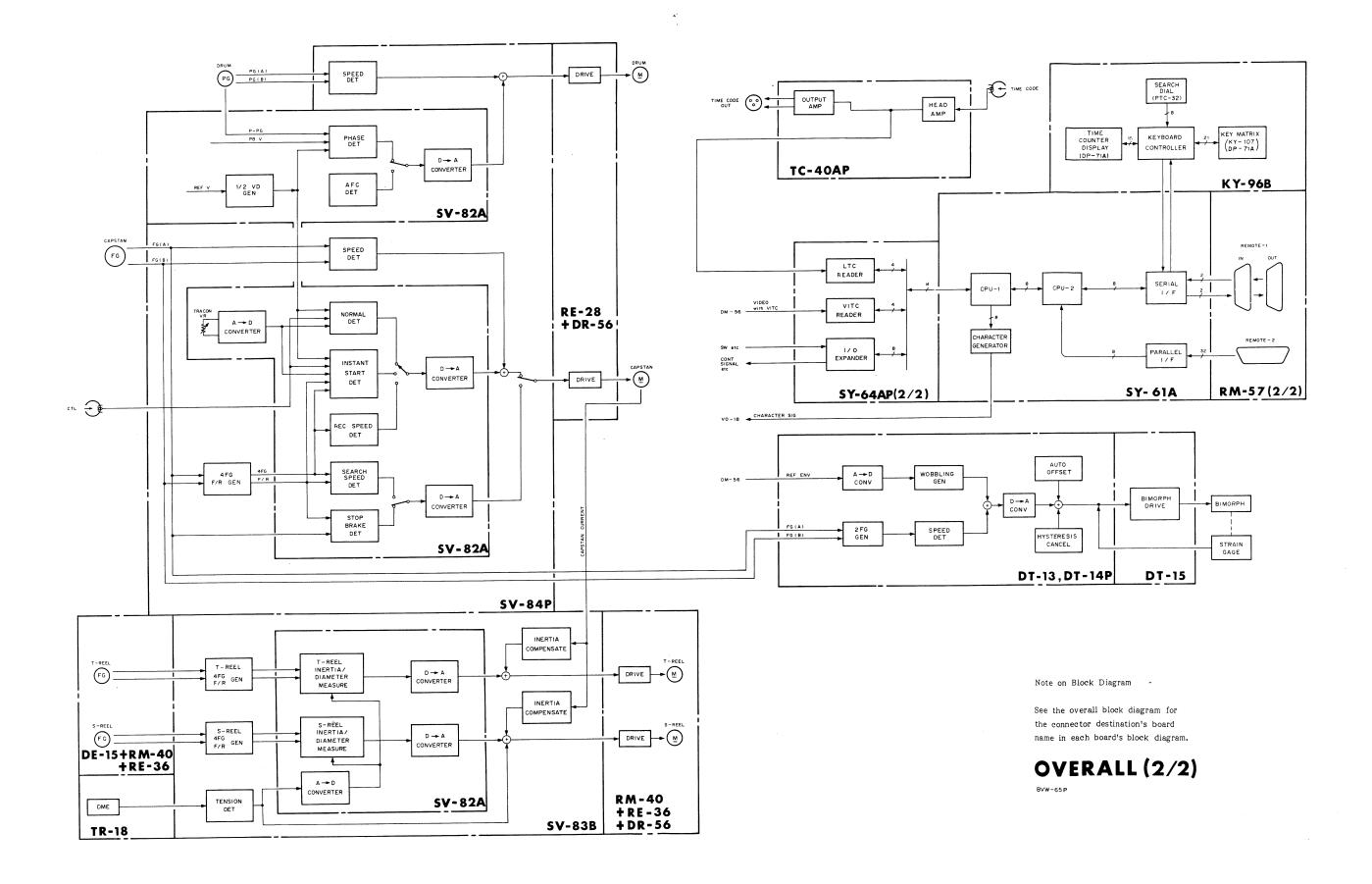
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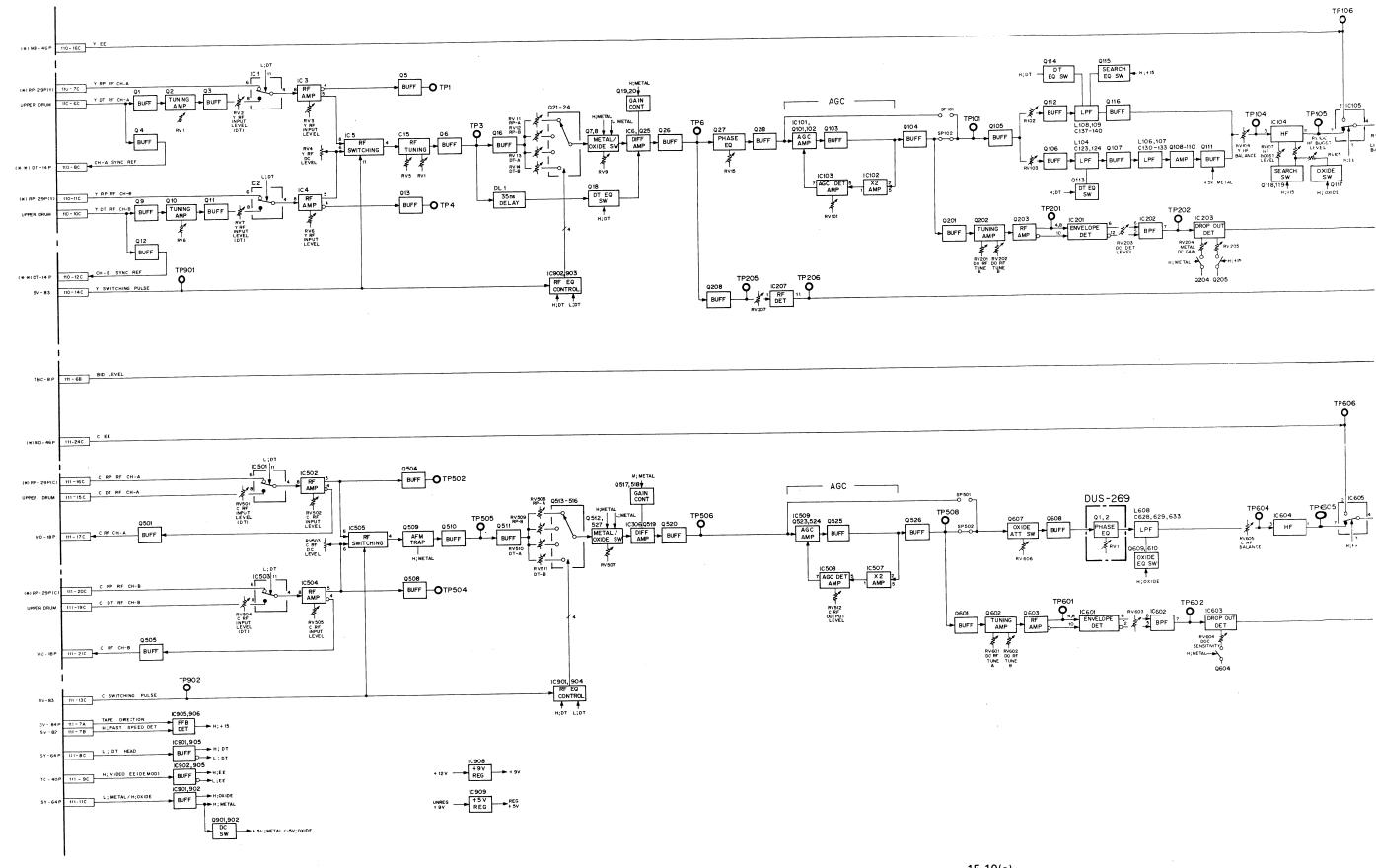
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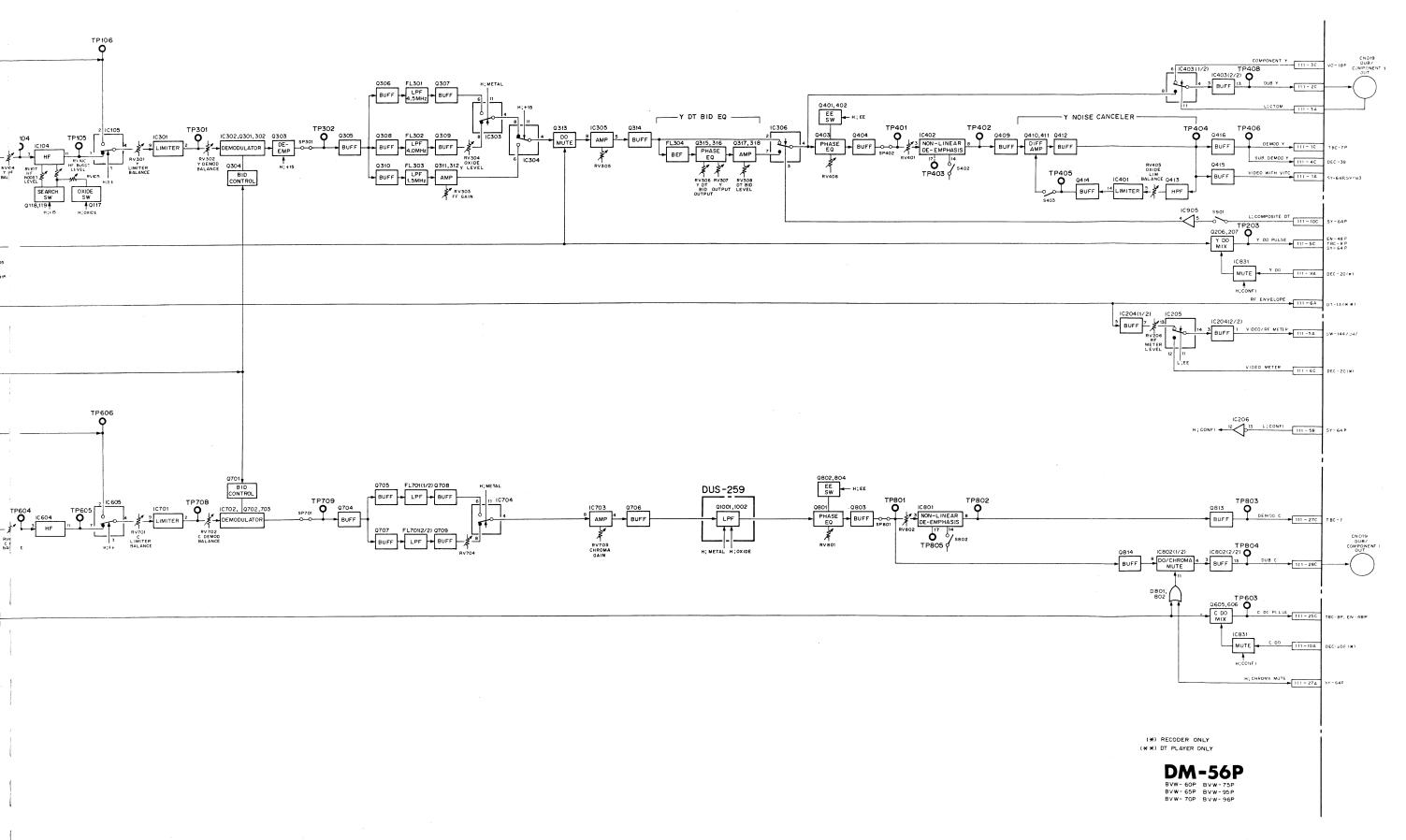




#### Y/C DEMODULATOR

S/N 10061 through 10191

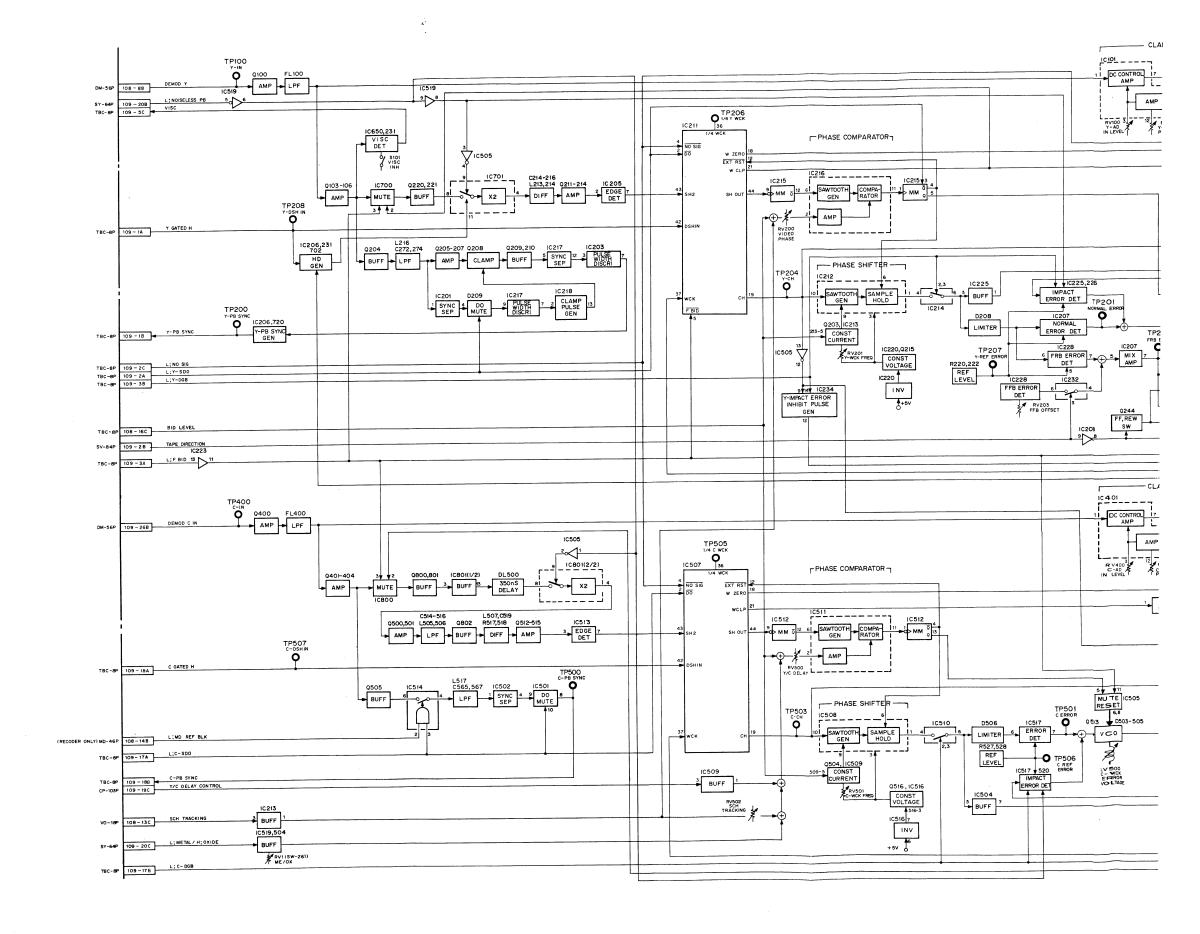


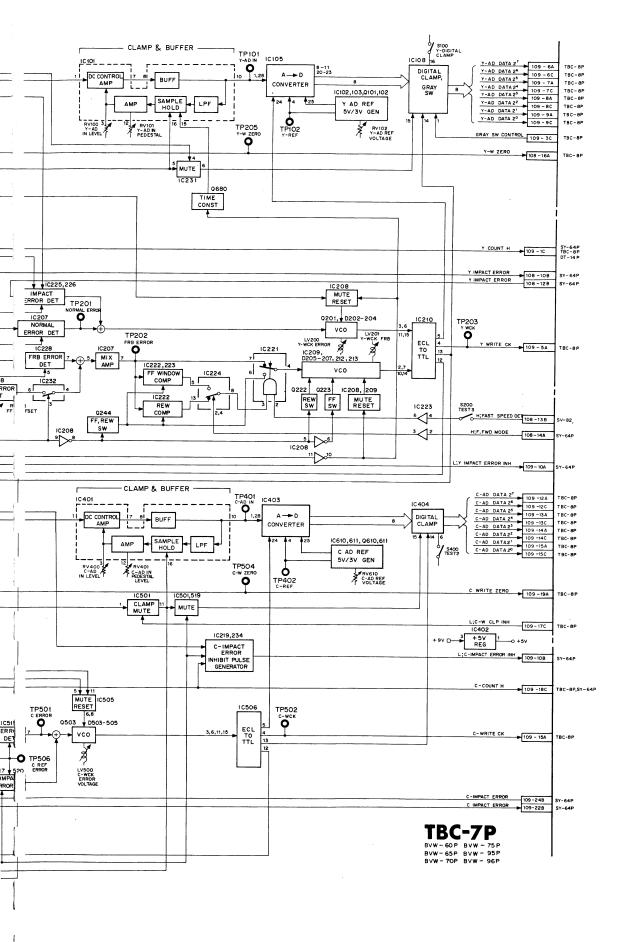


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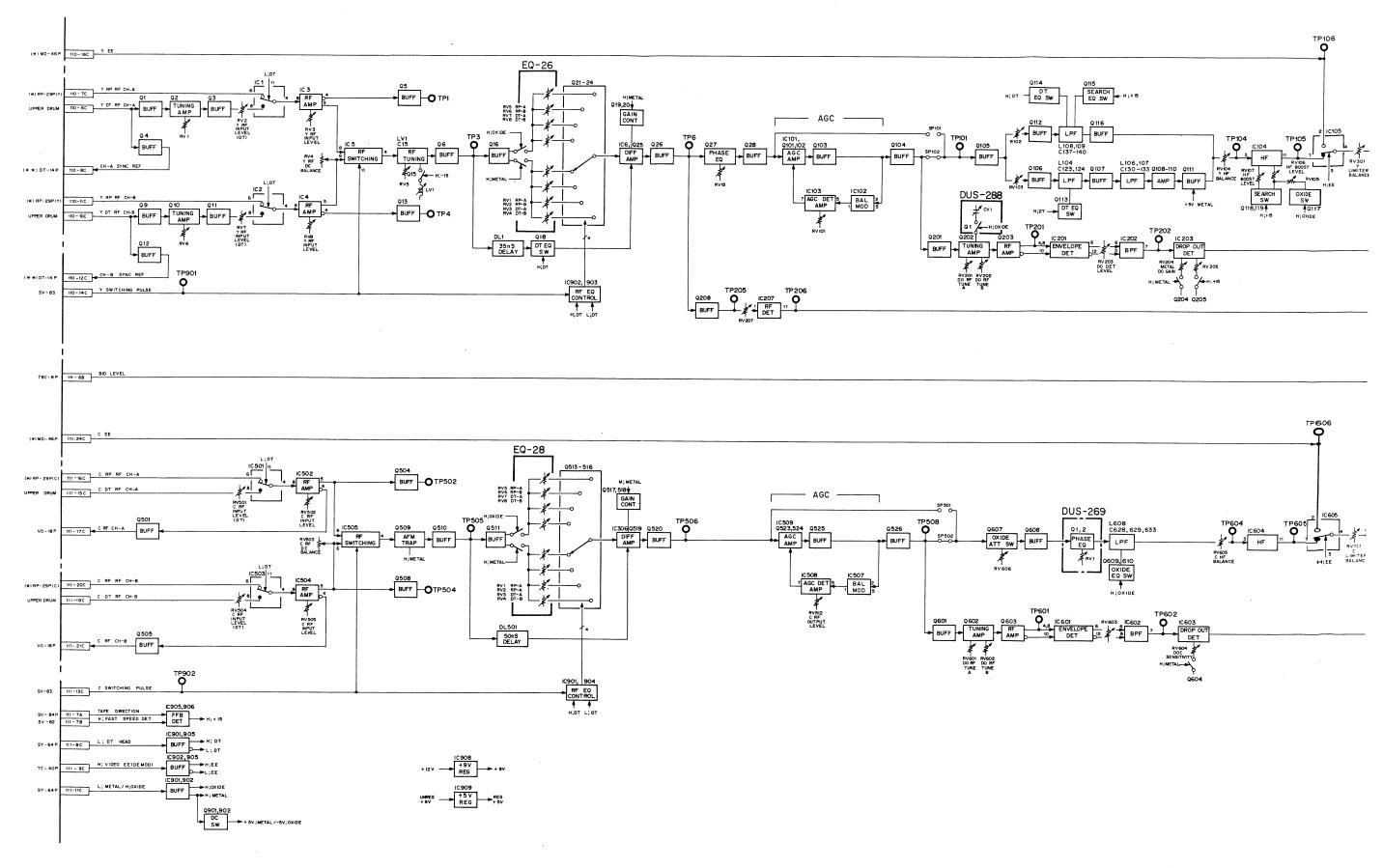
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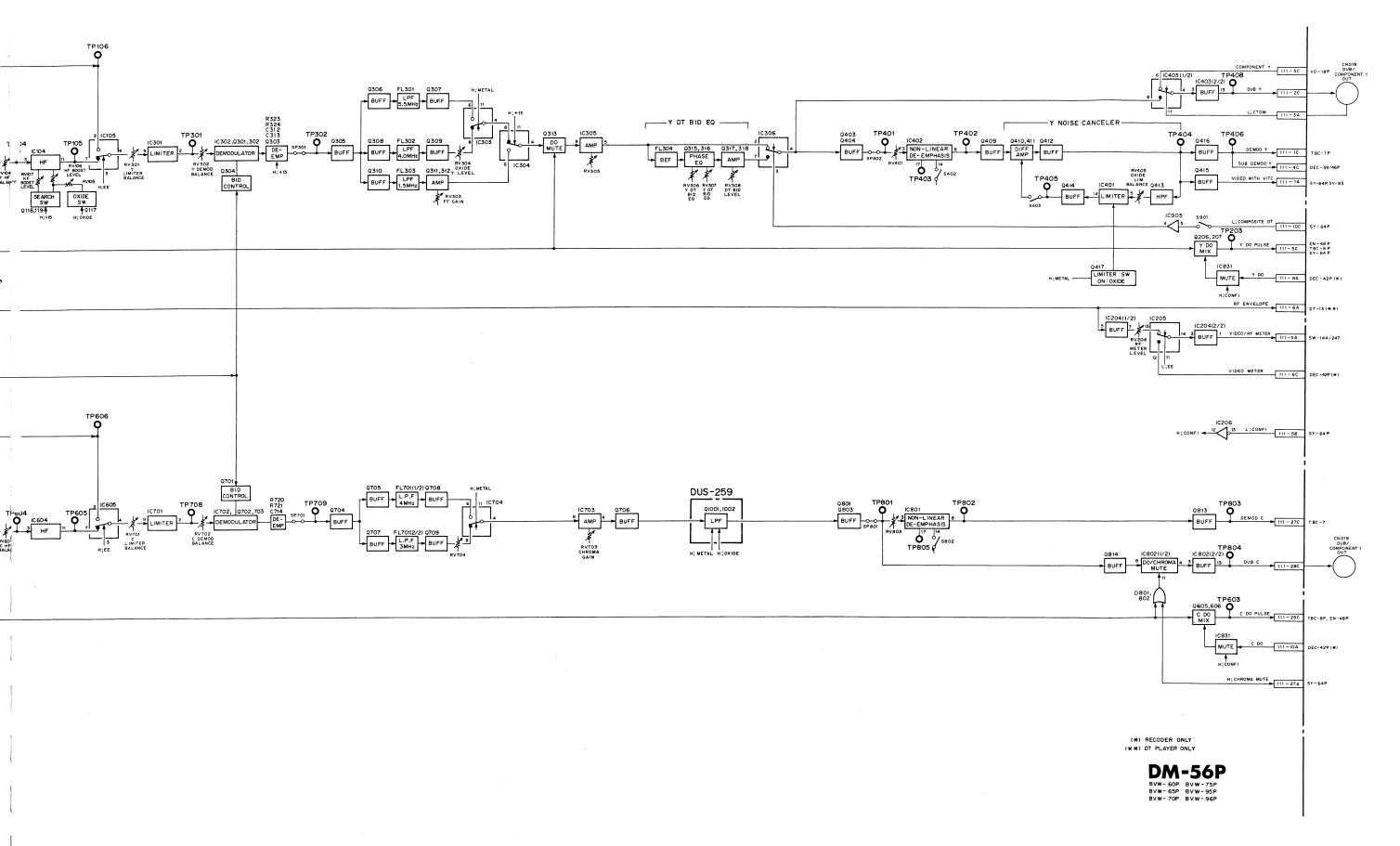
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S/N 10192 and higher

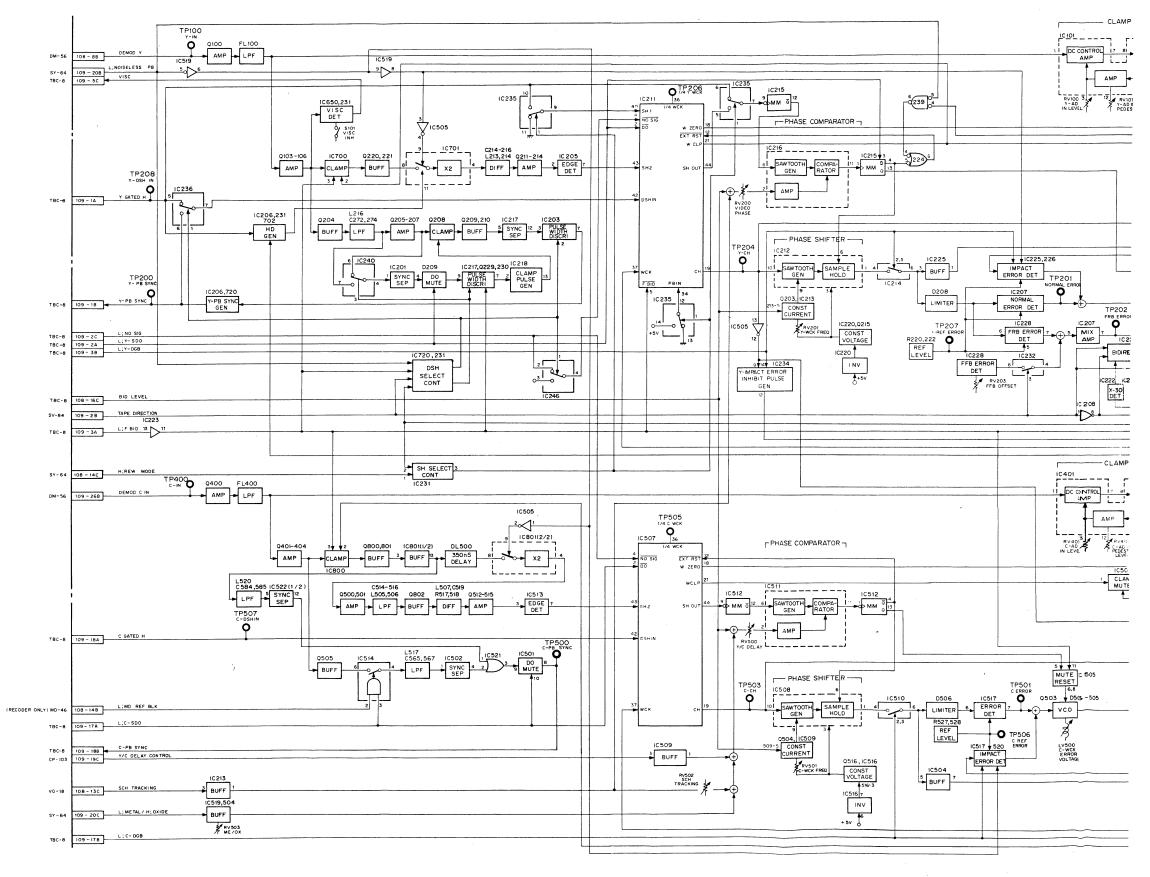


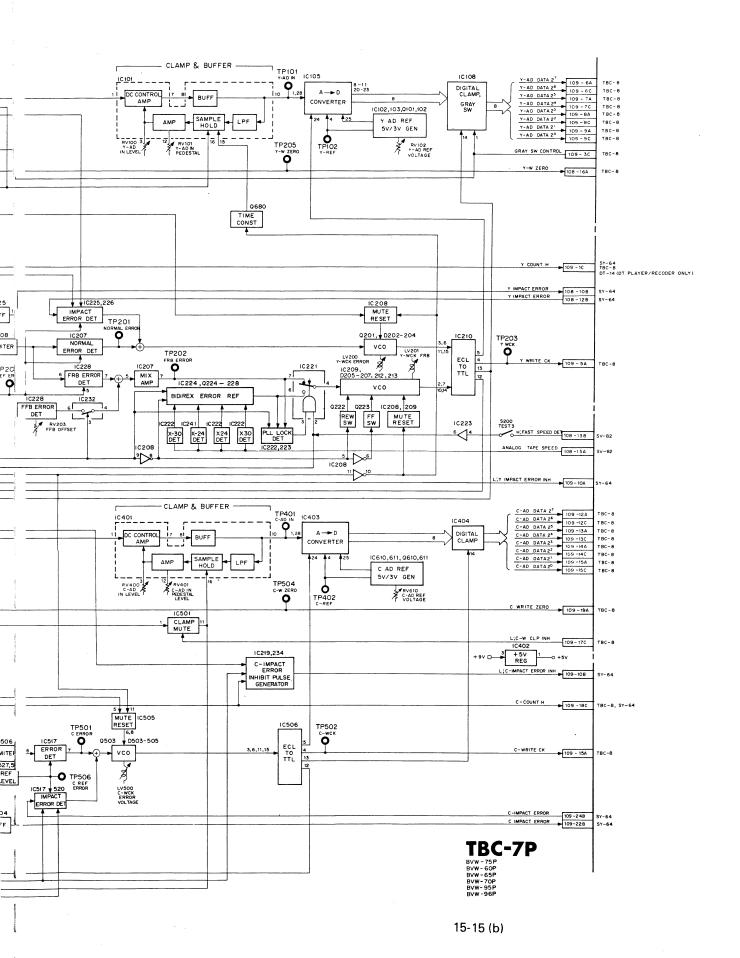


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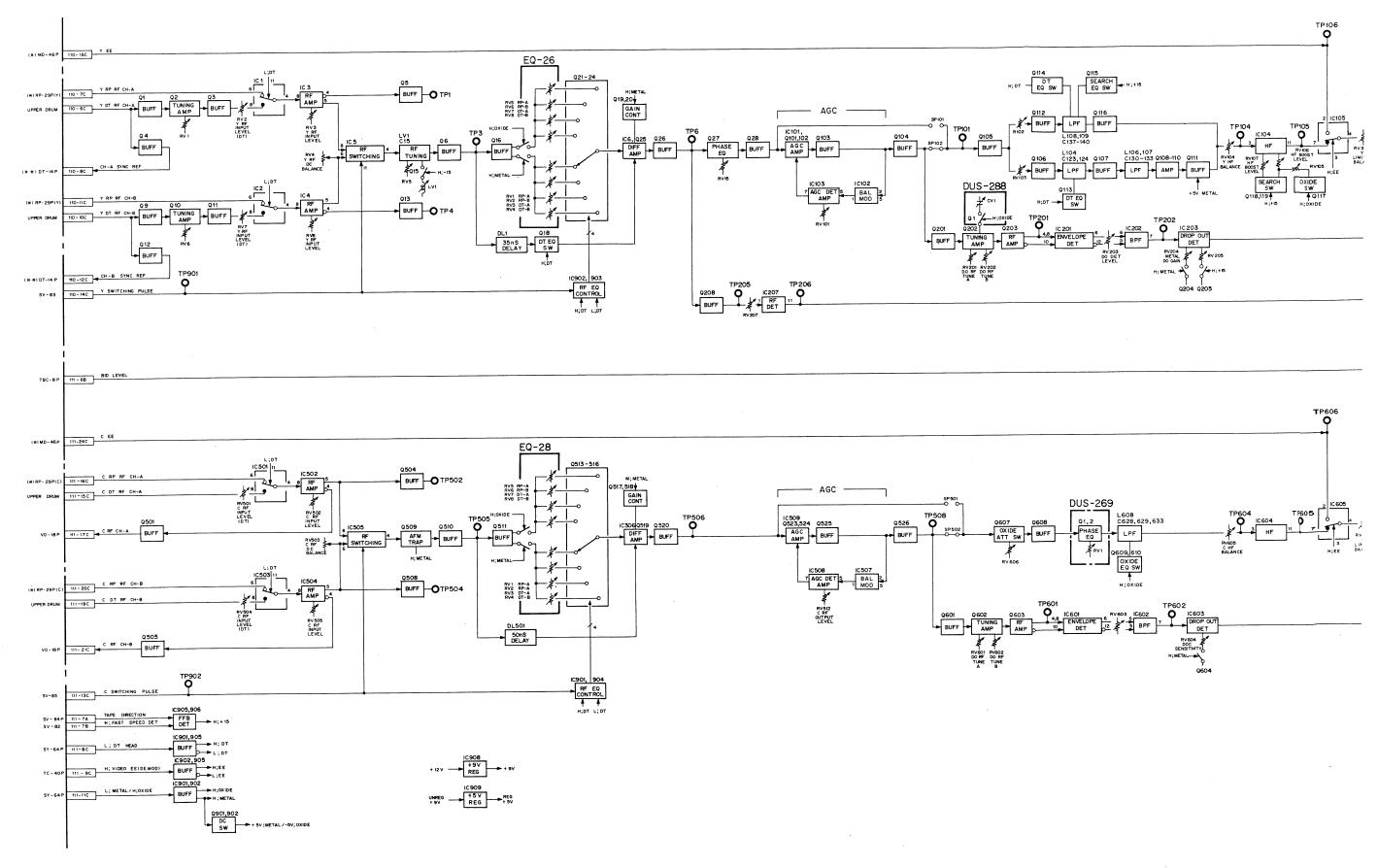
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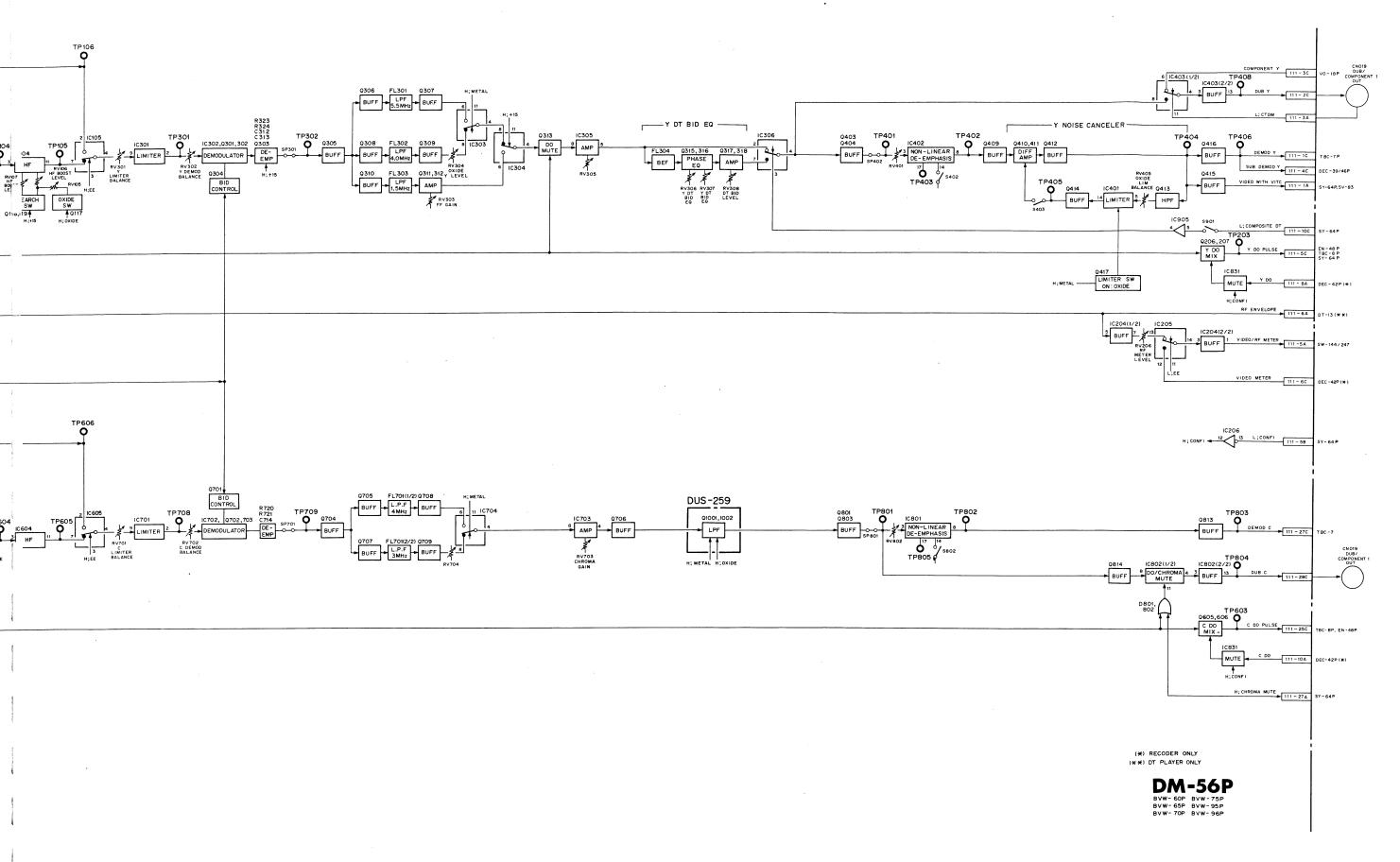
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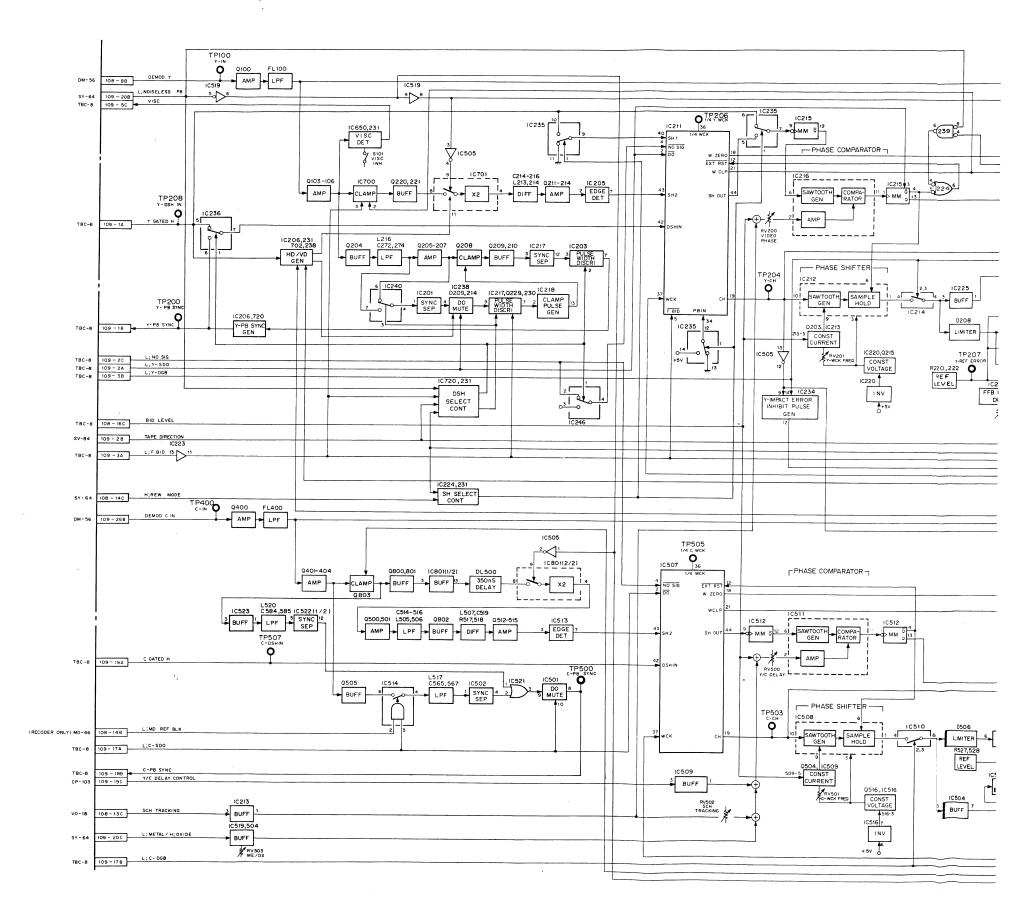


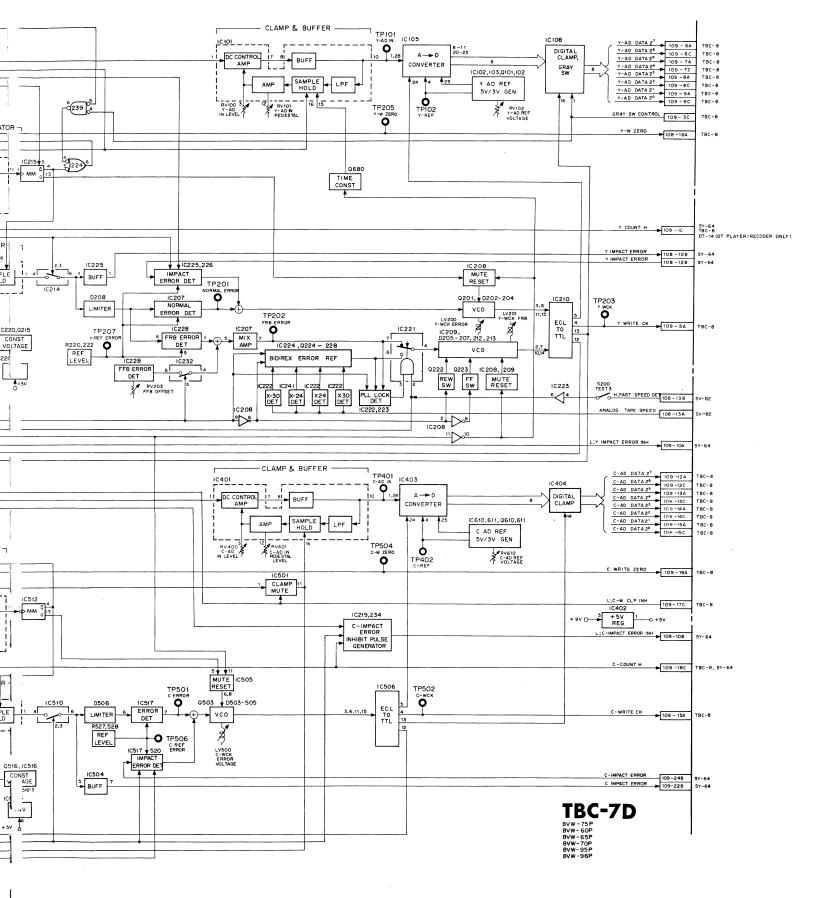
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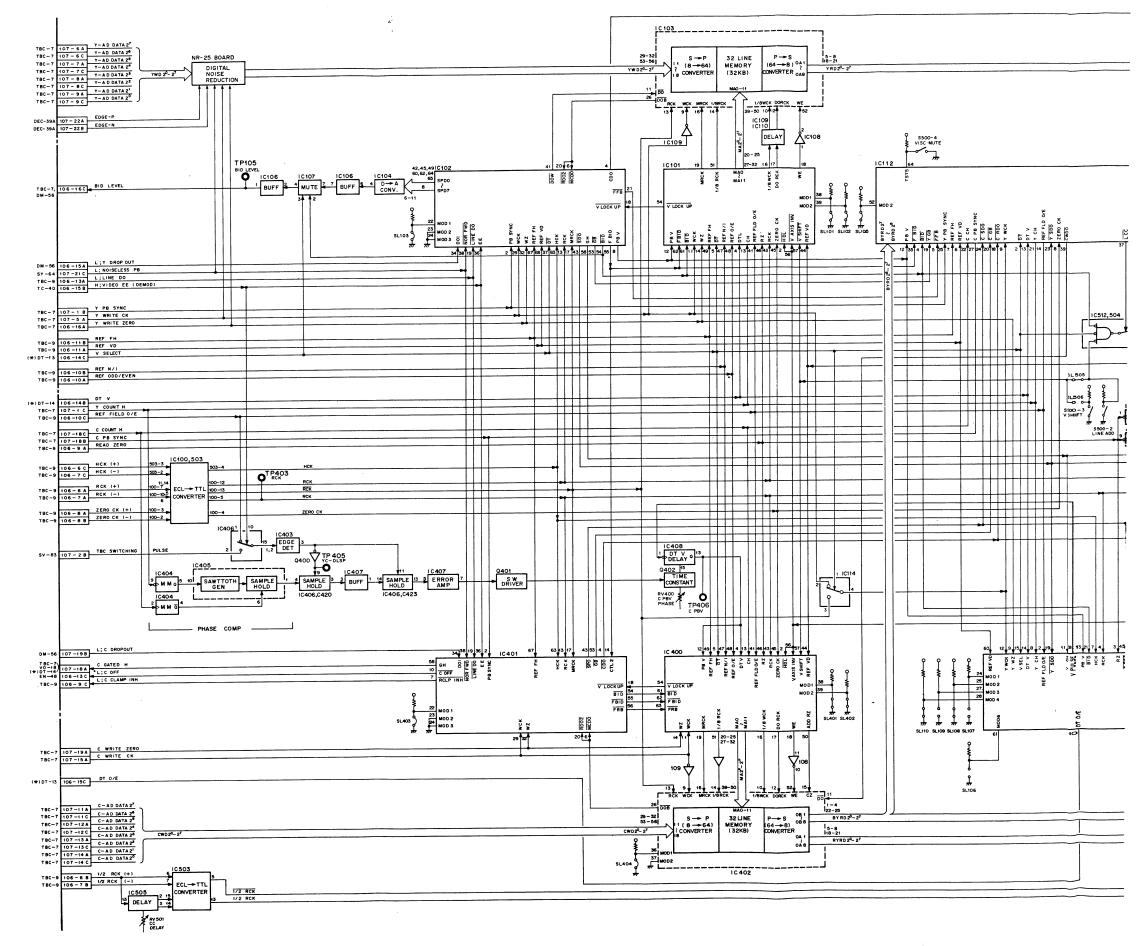
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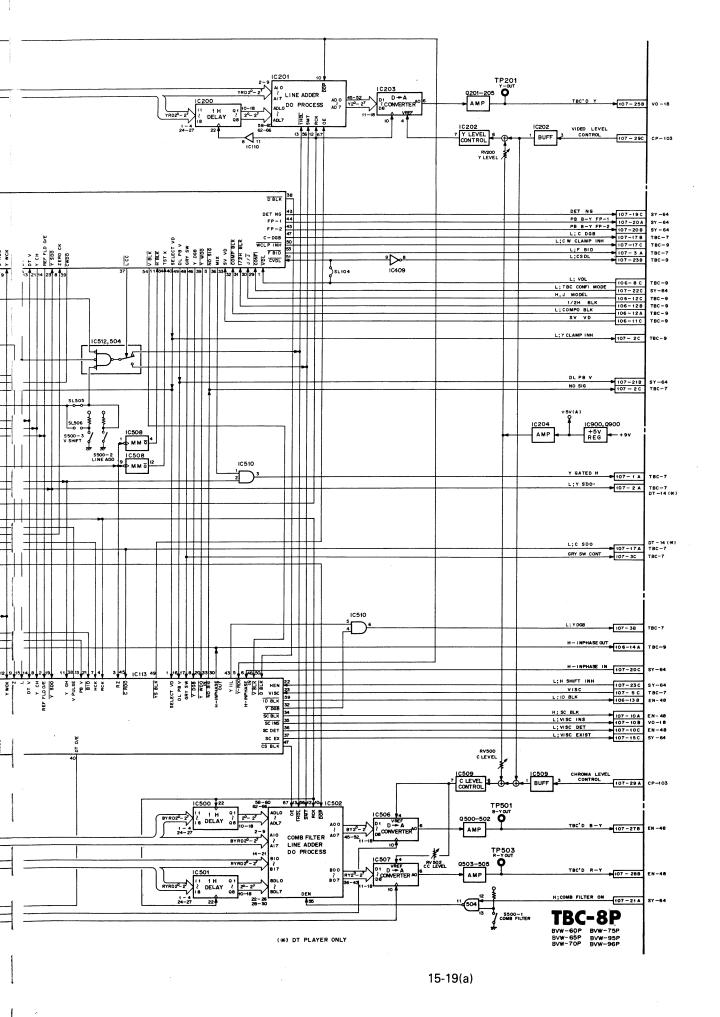


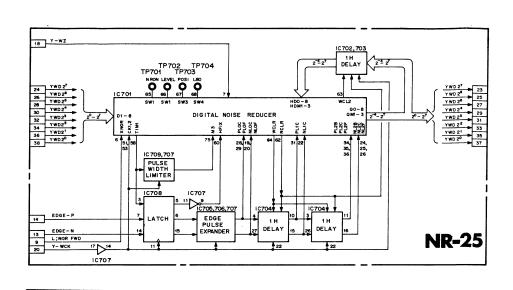


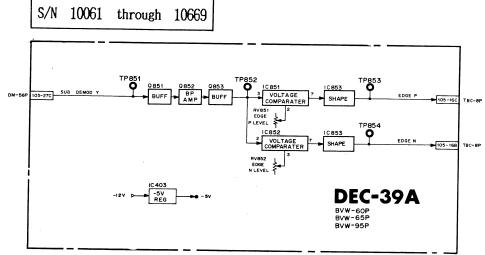
MAIN MEMORY D/A CONVERTER Y DIGITAL NOISE REDUCTION EDGE DETECTOR

S/N 10061 through 10416

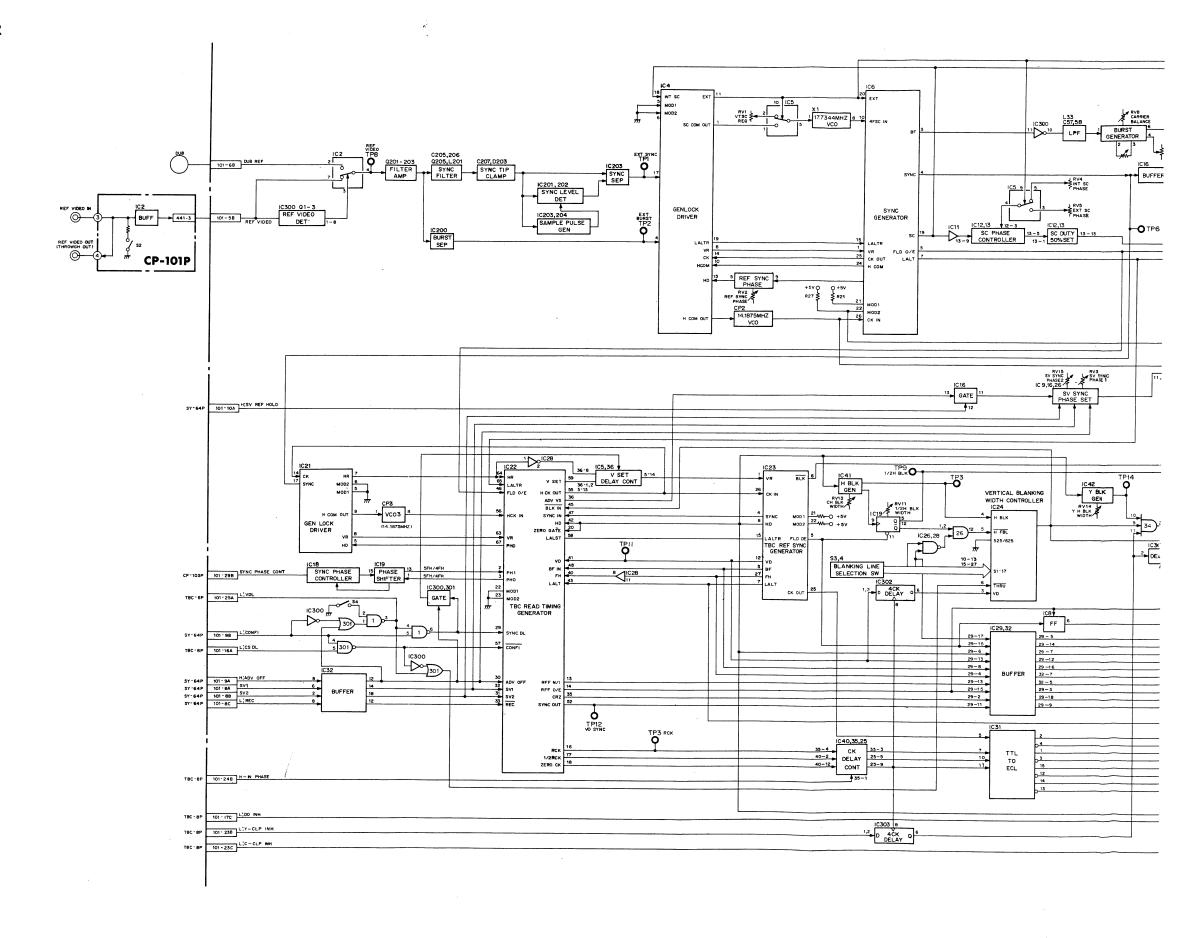


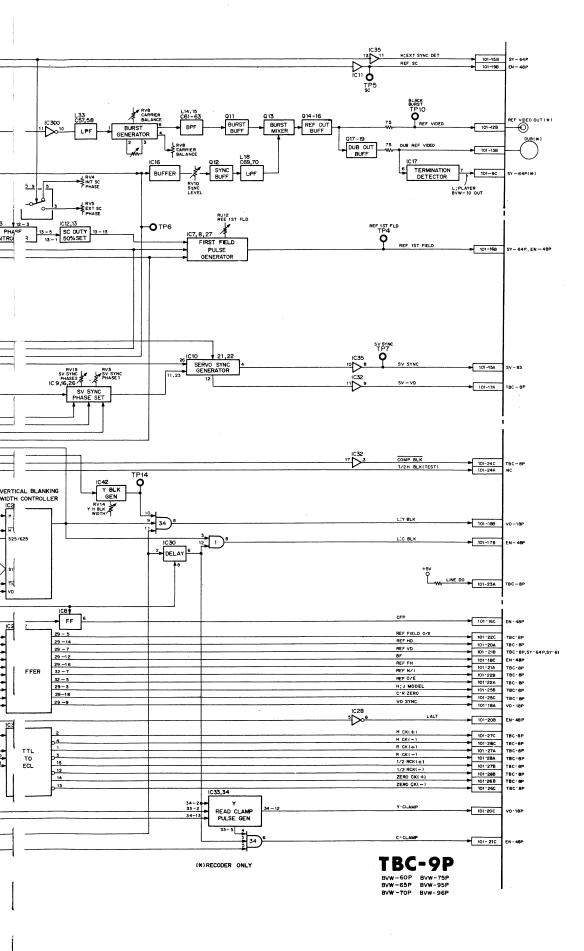






#### REF SIGNAL/TIMING GENERATOR

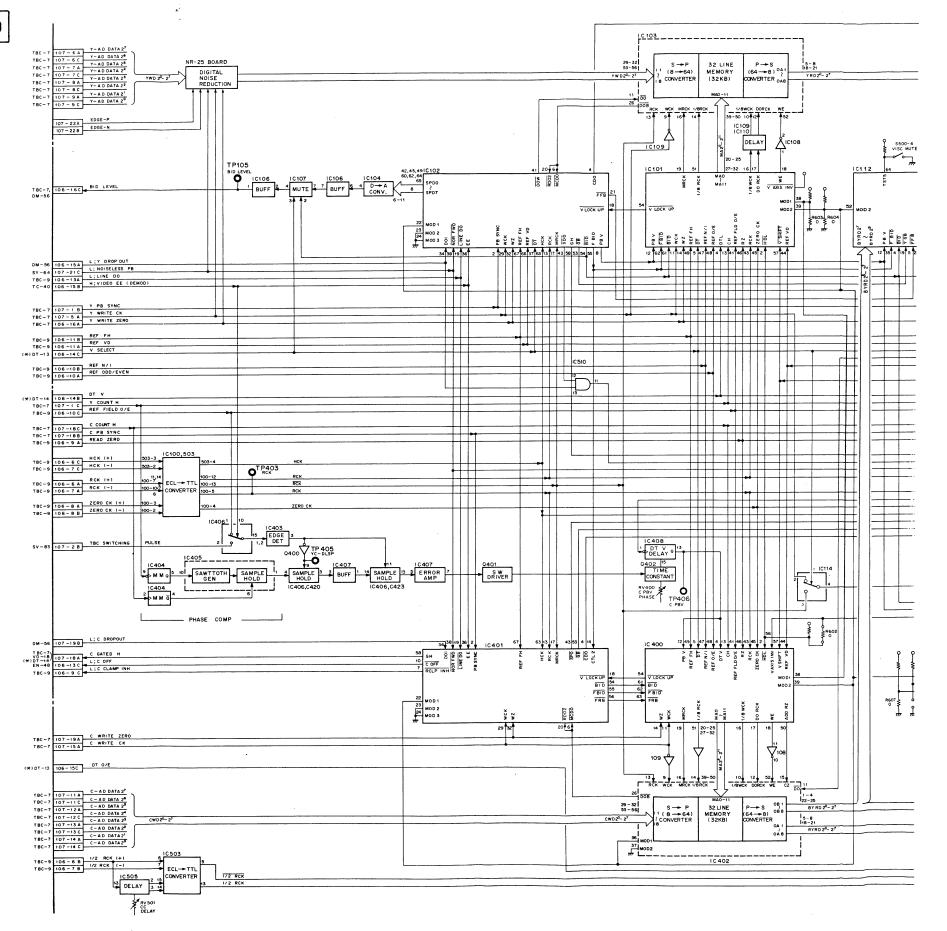


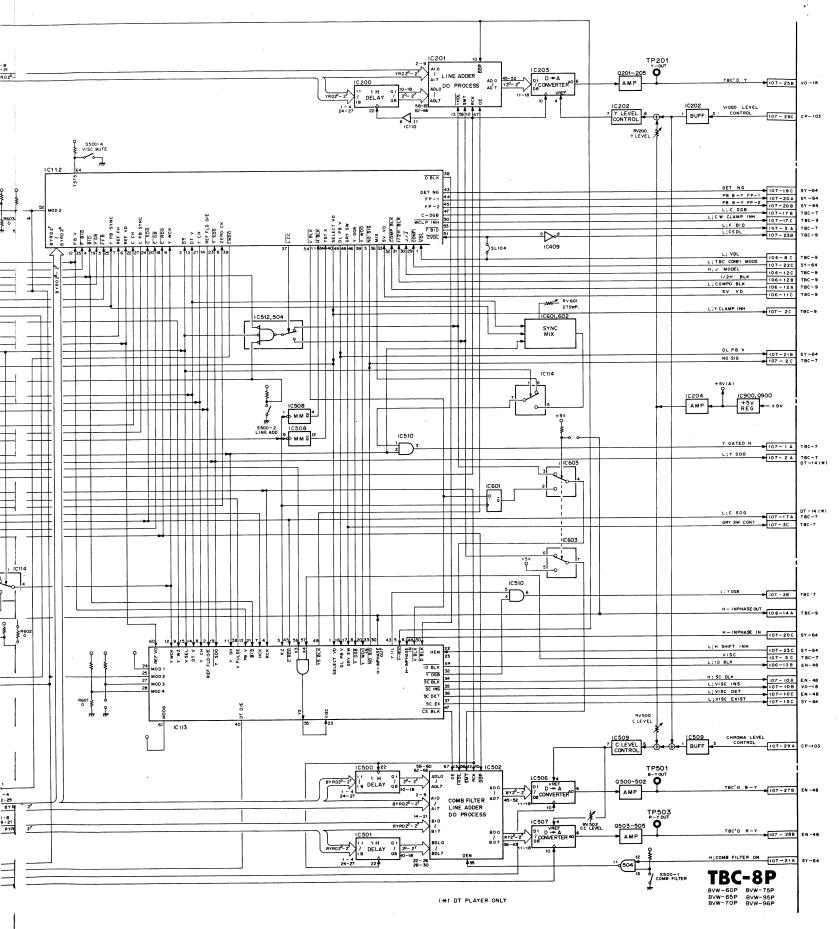


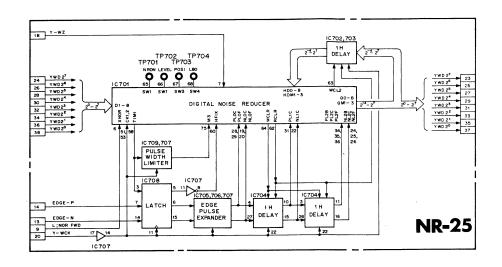
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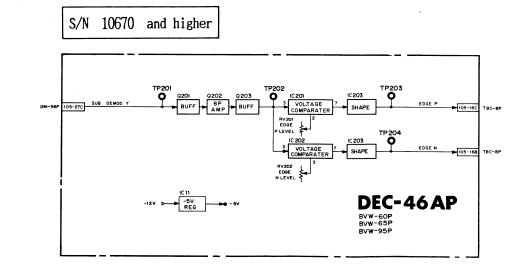
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S/N 10417 through 10769

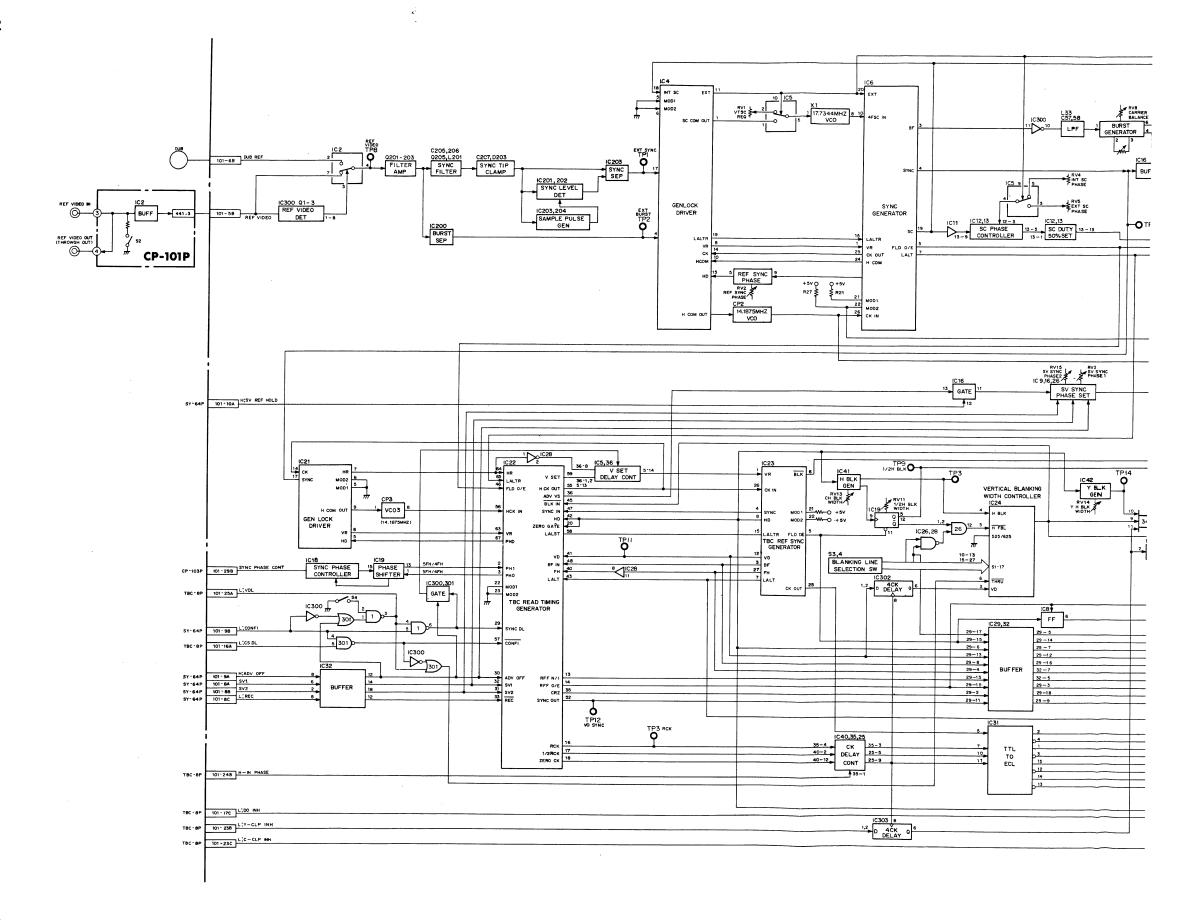


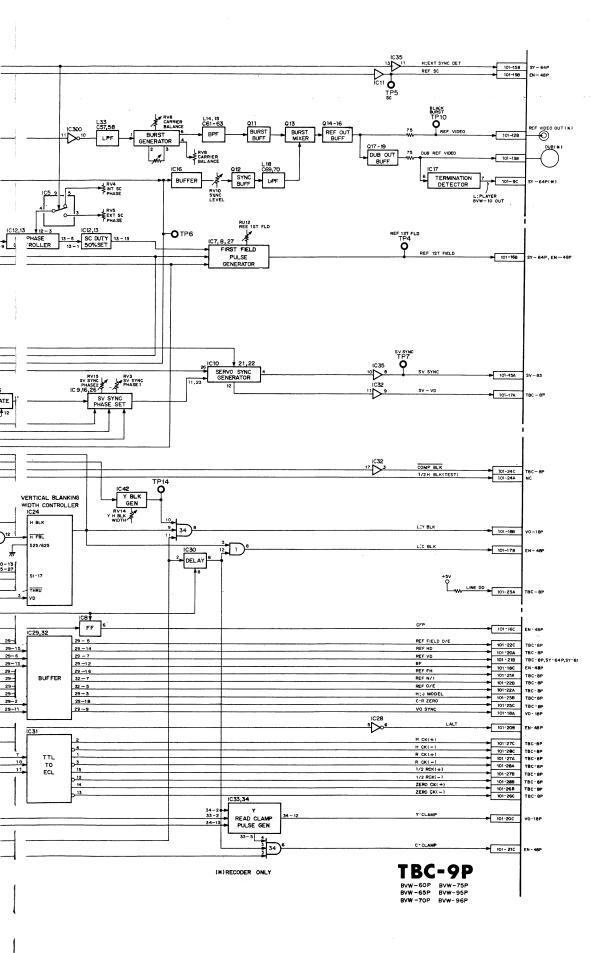






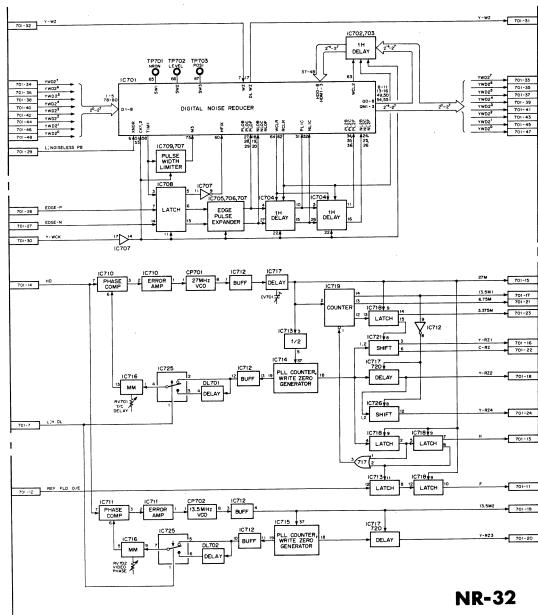
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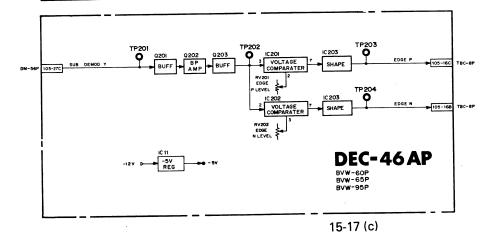


MAIN MEMORY D/A CONVERTER Y DIGITAL NOISE REDUCTION

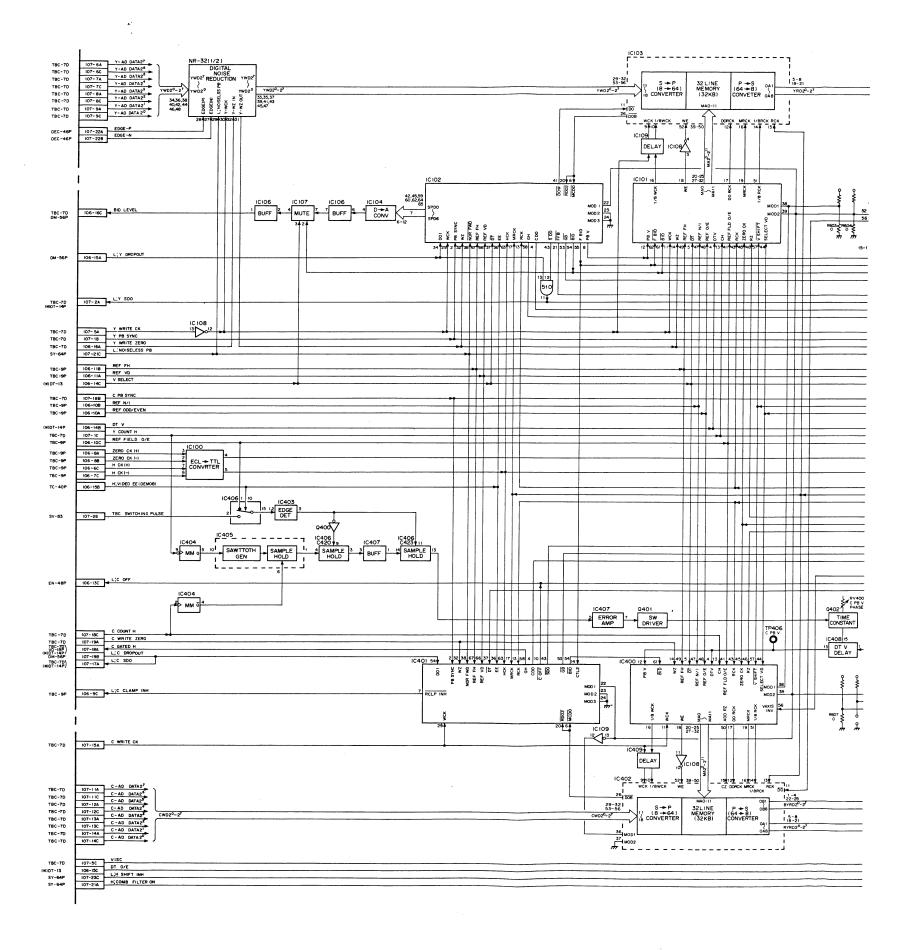
S/N 10770 and higher



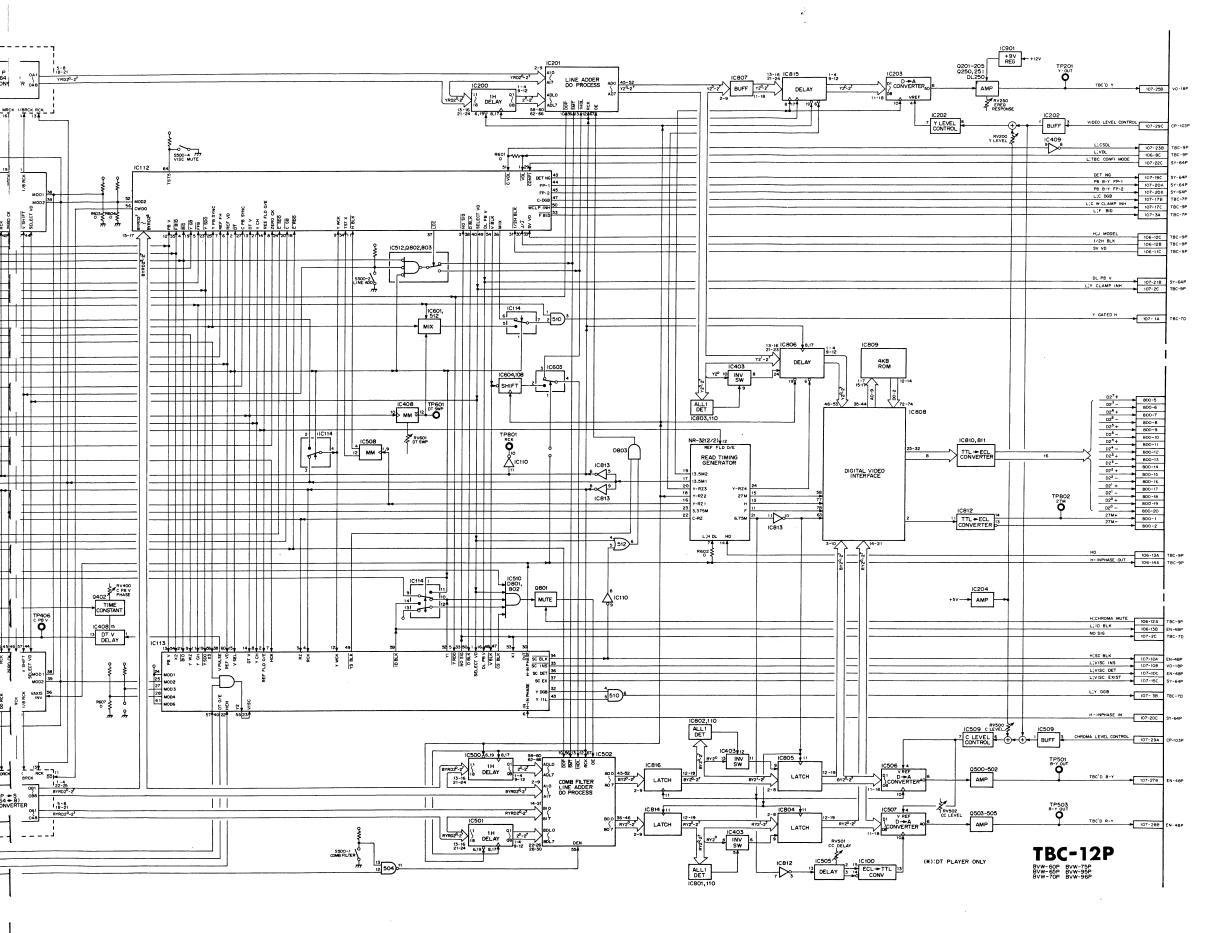
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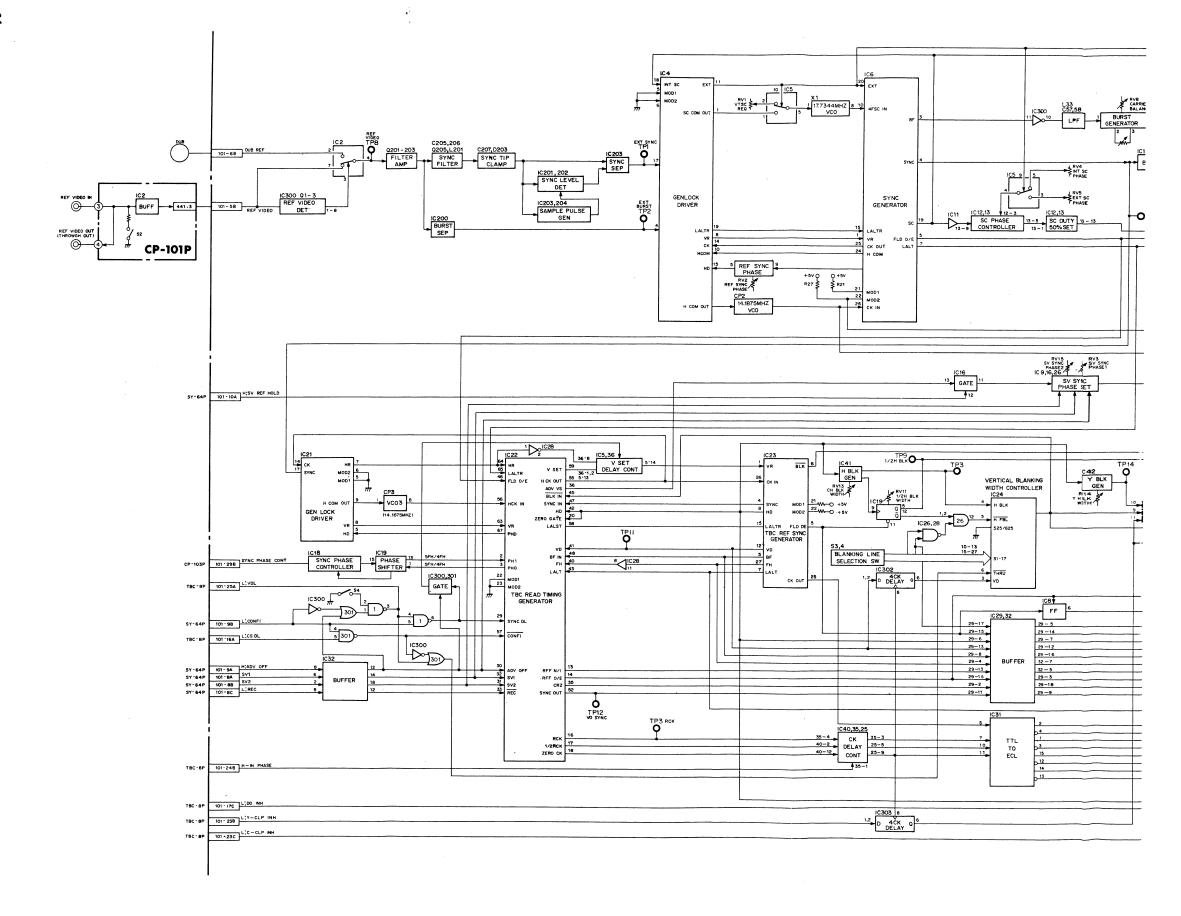
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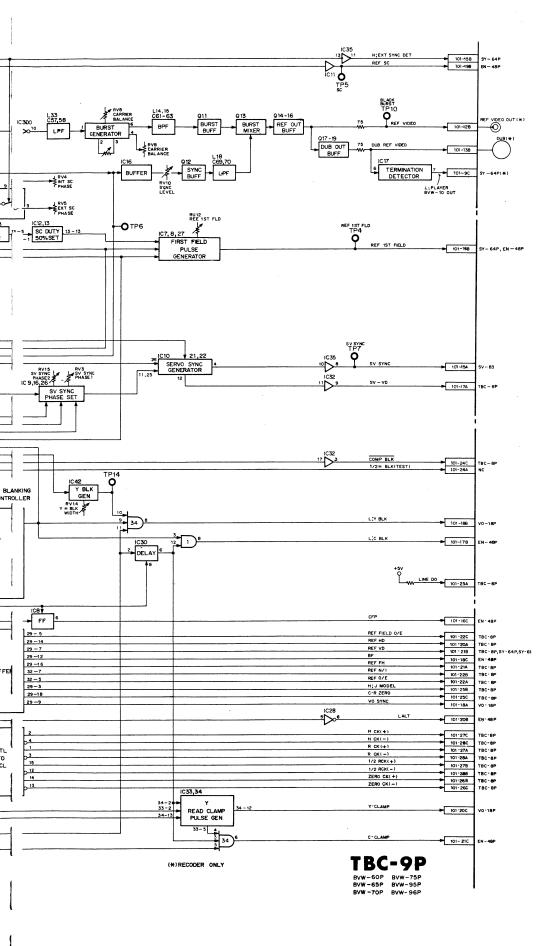


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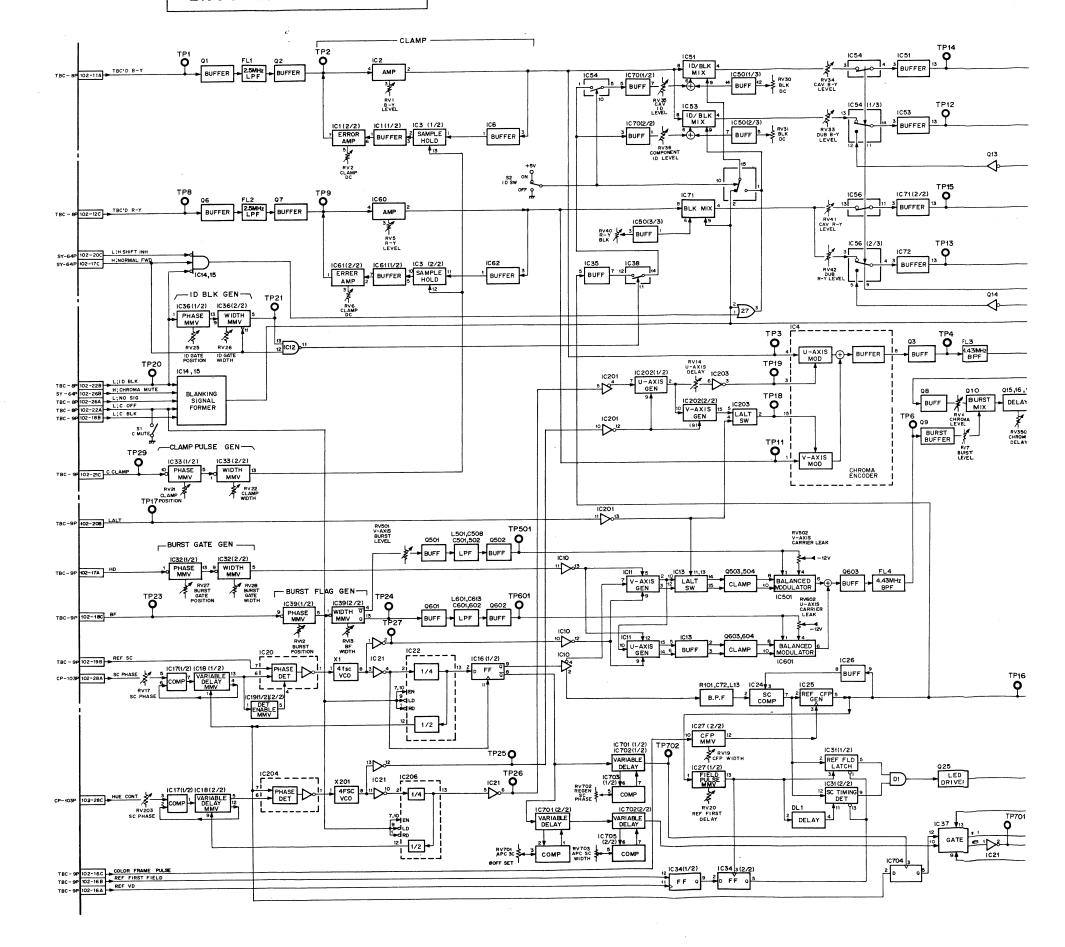


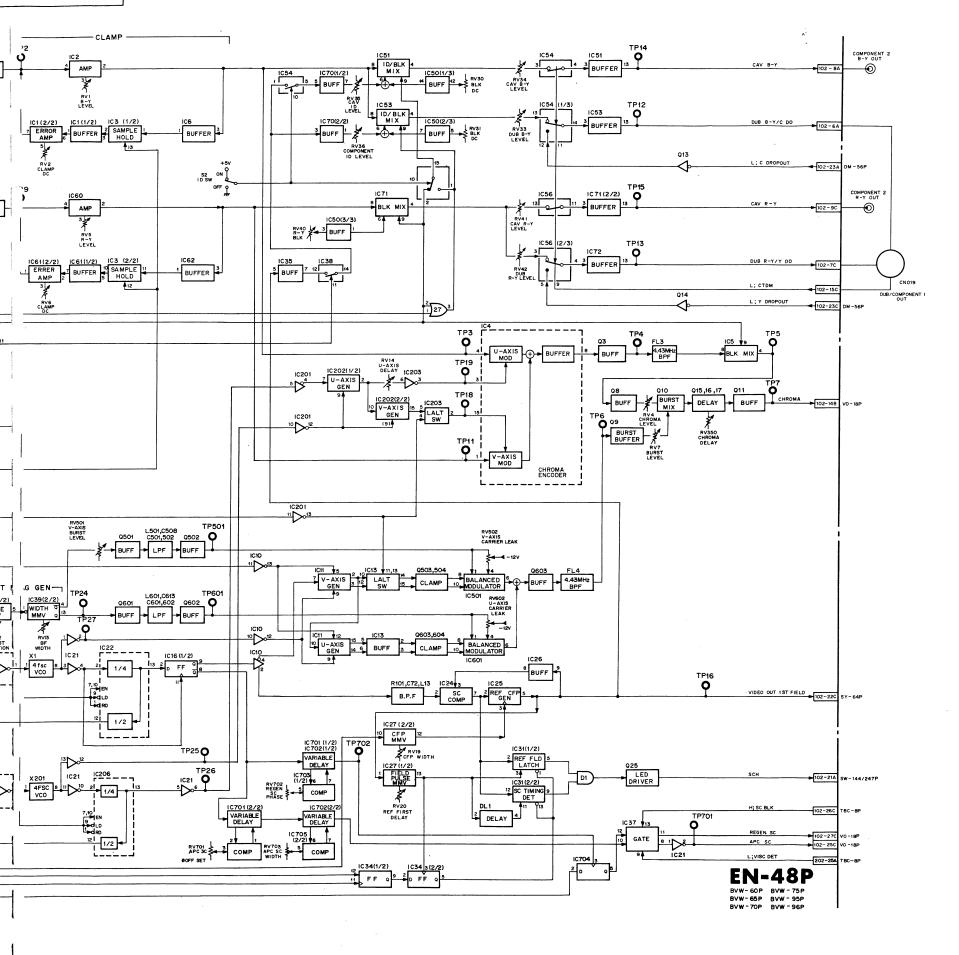
#### REF SIGNAL/TIMING GENERATOR



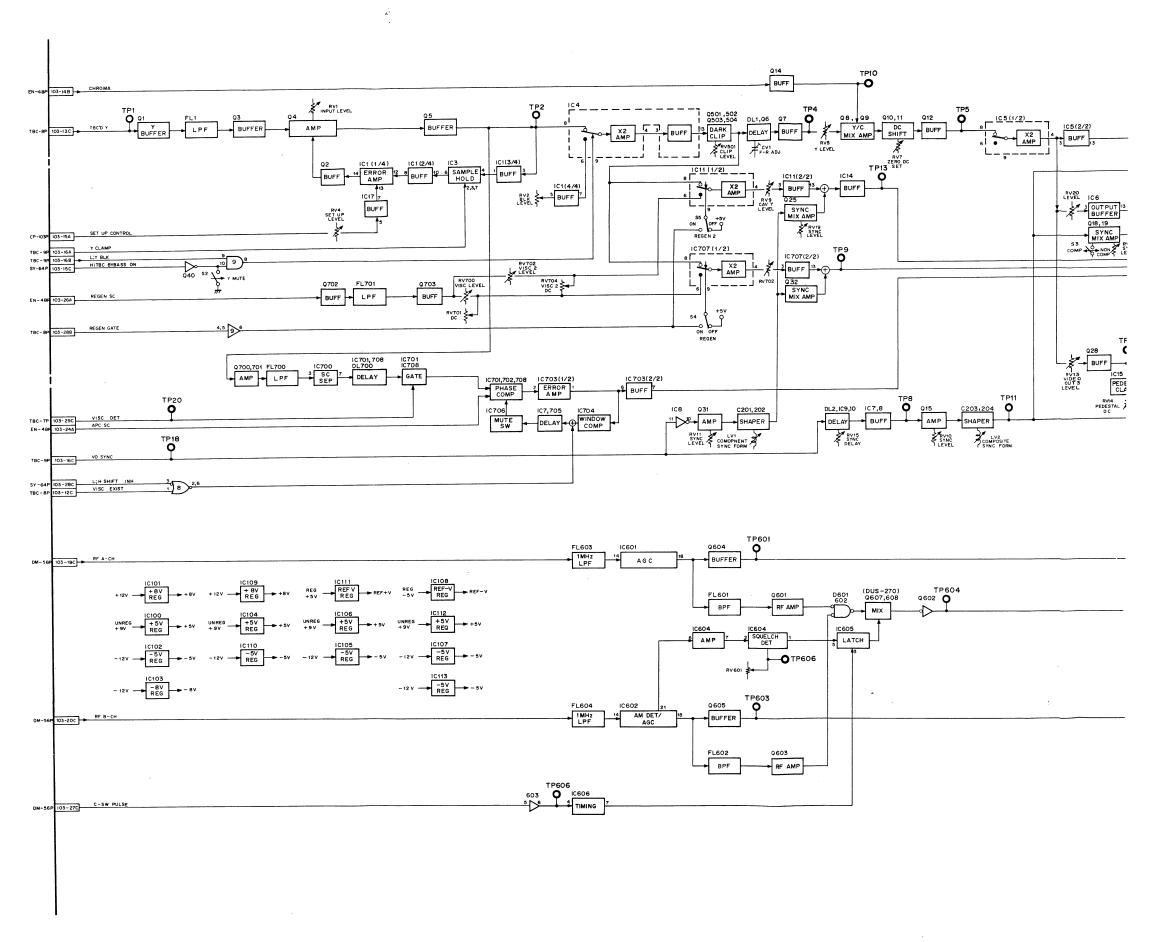


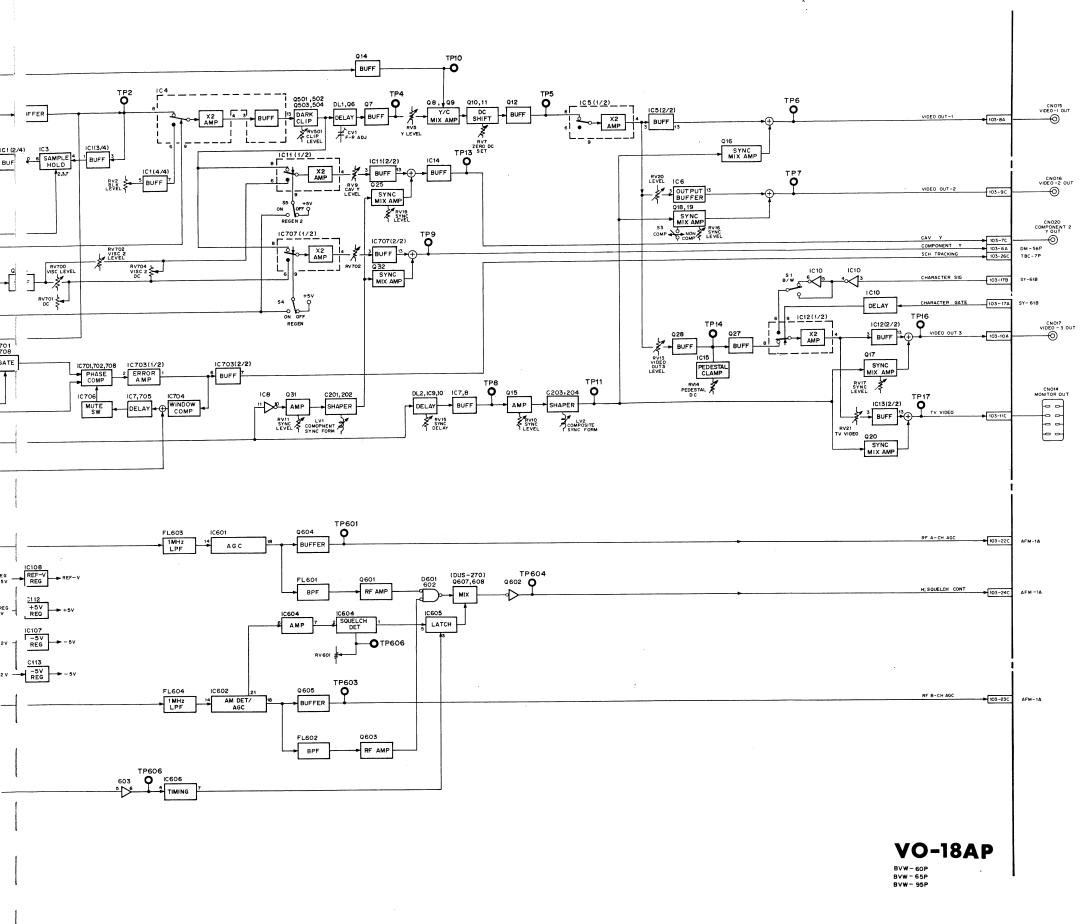
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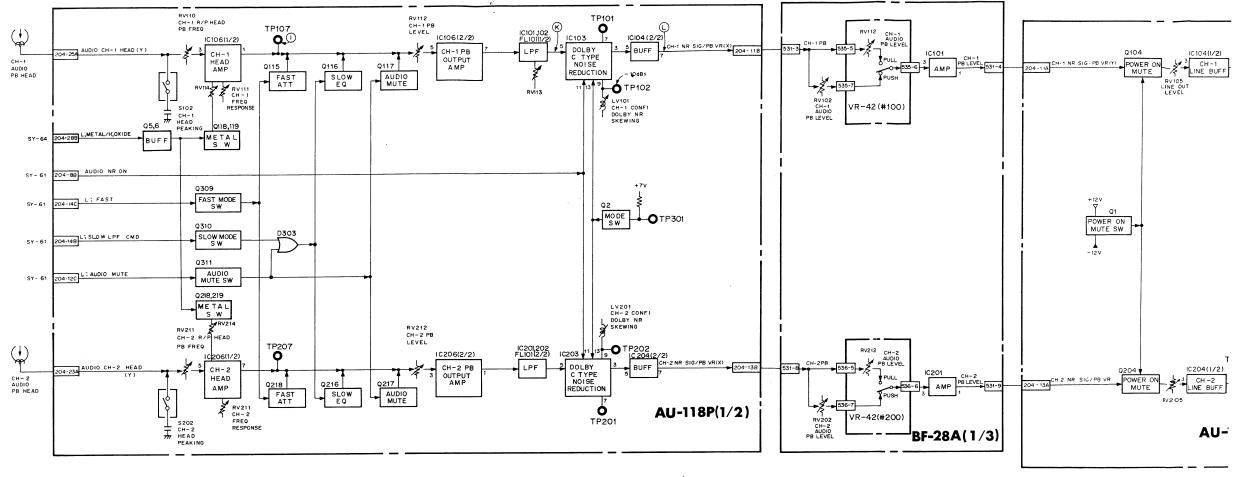


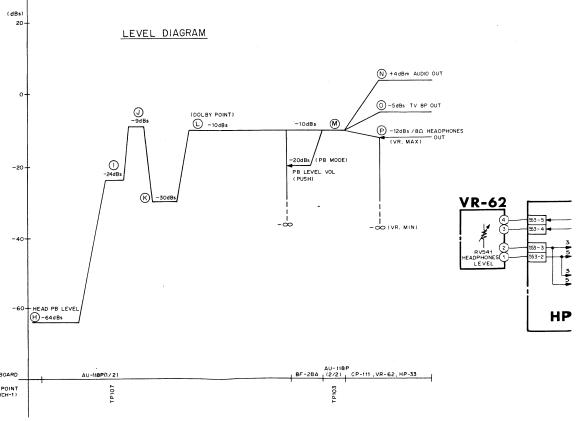


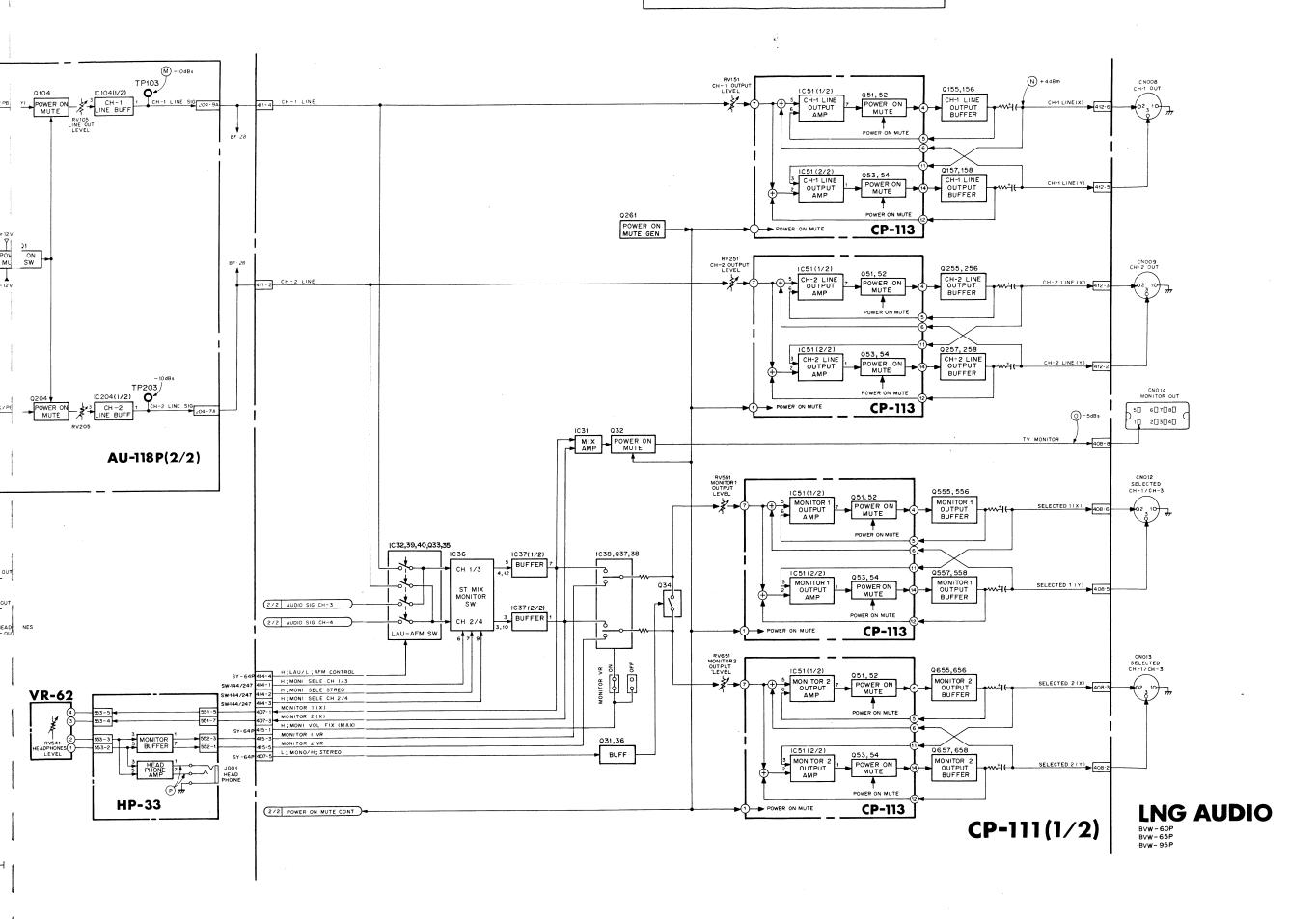
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### LNG AUDIO

Up to S/N 12854

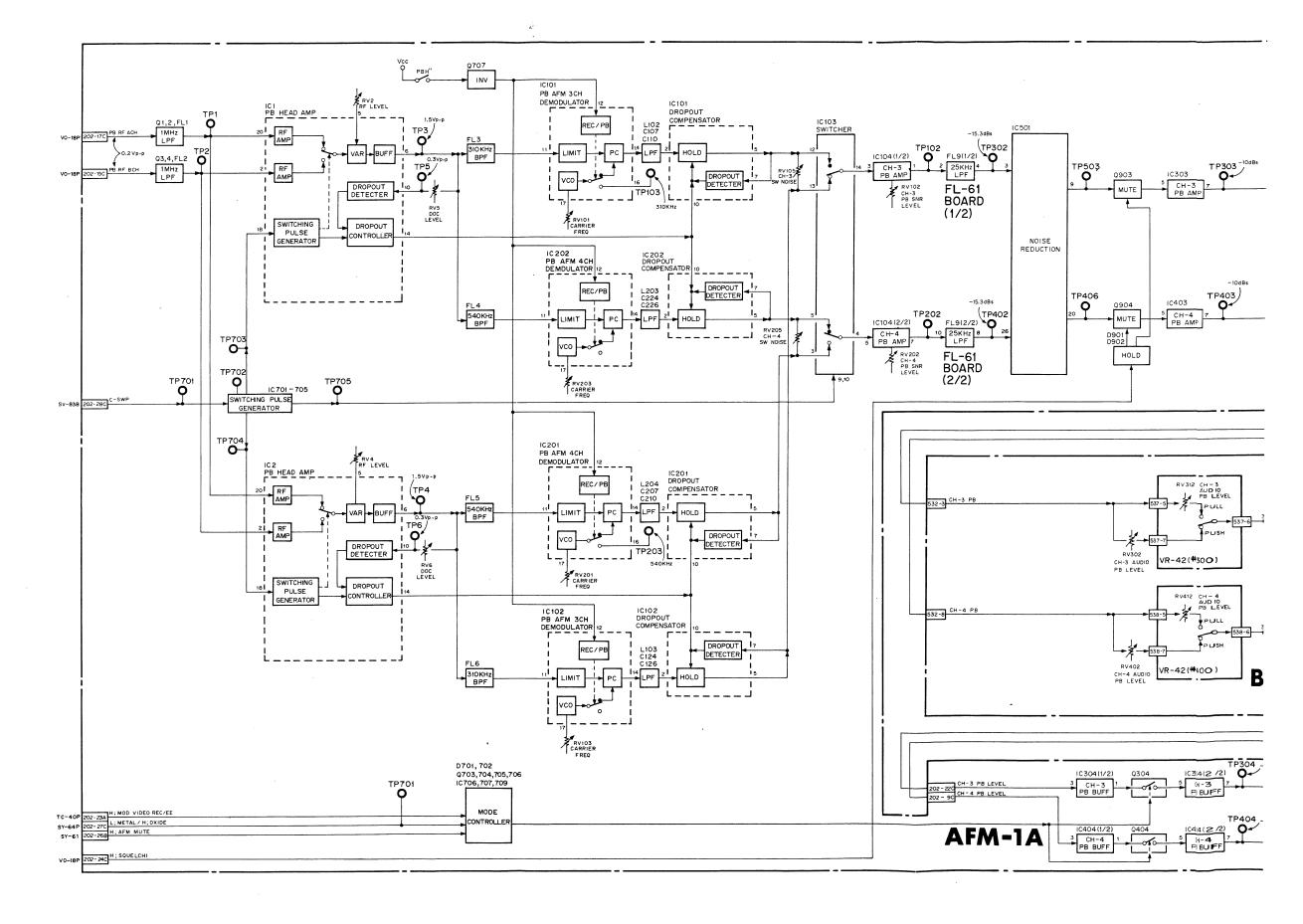


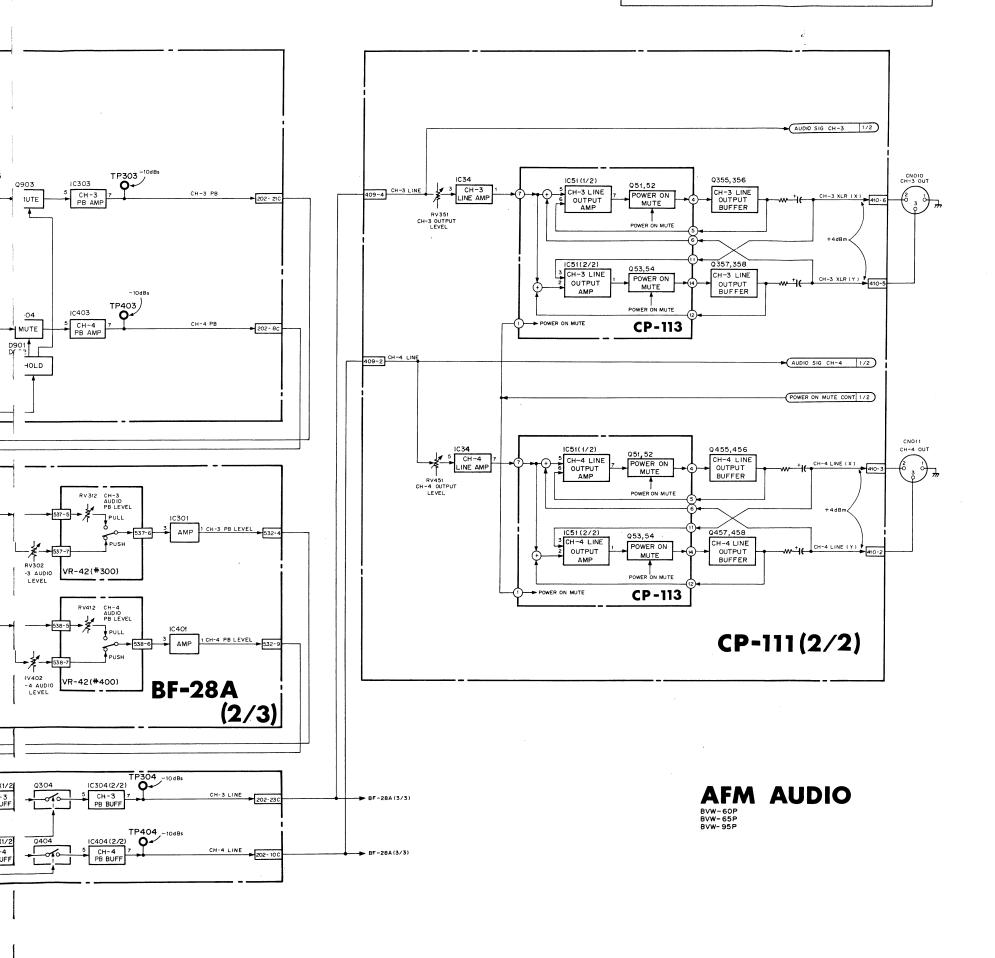




### AFM AUDIO

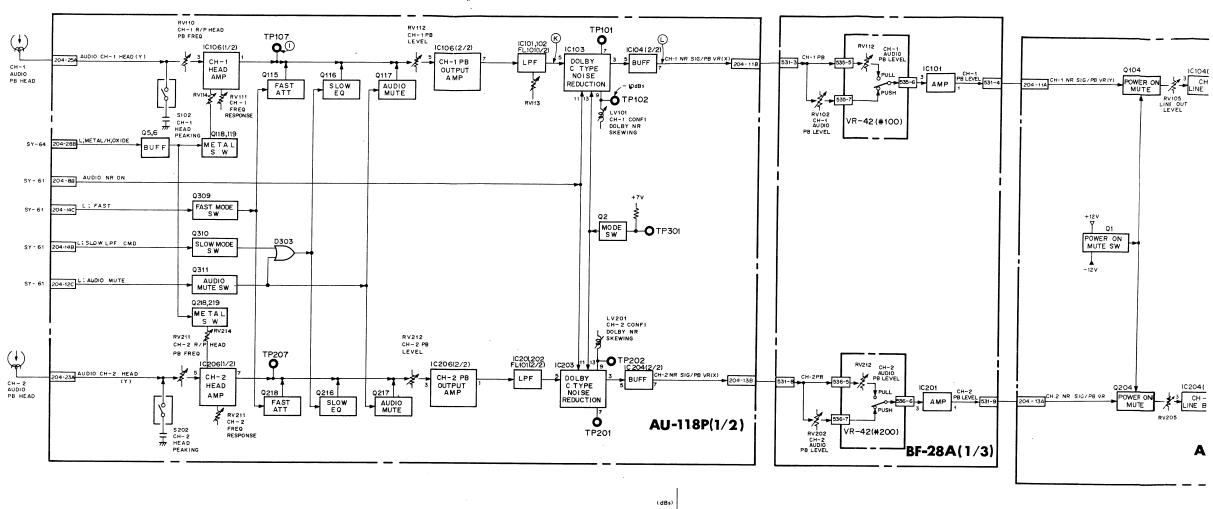
Up to S/N 12854

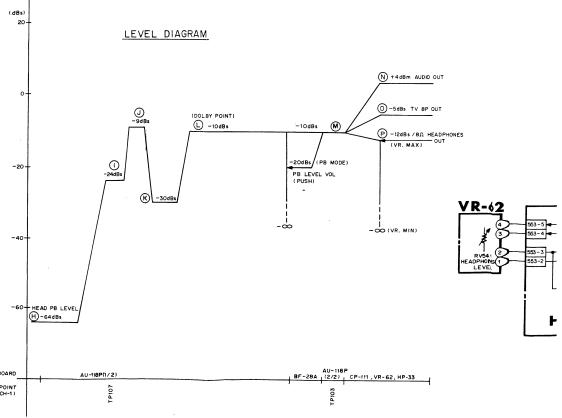


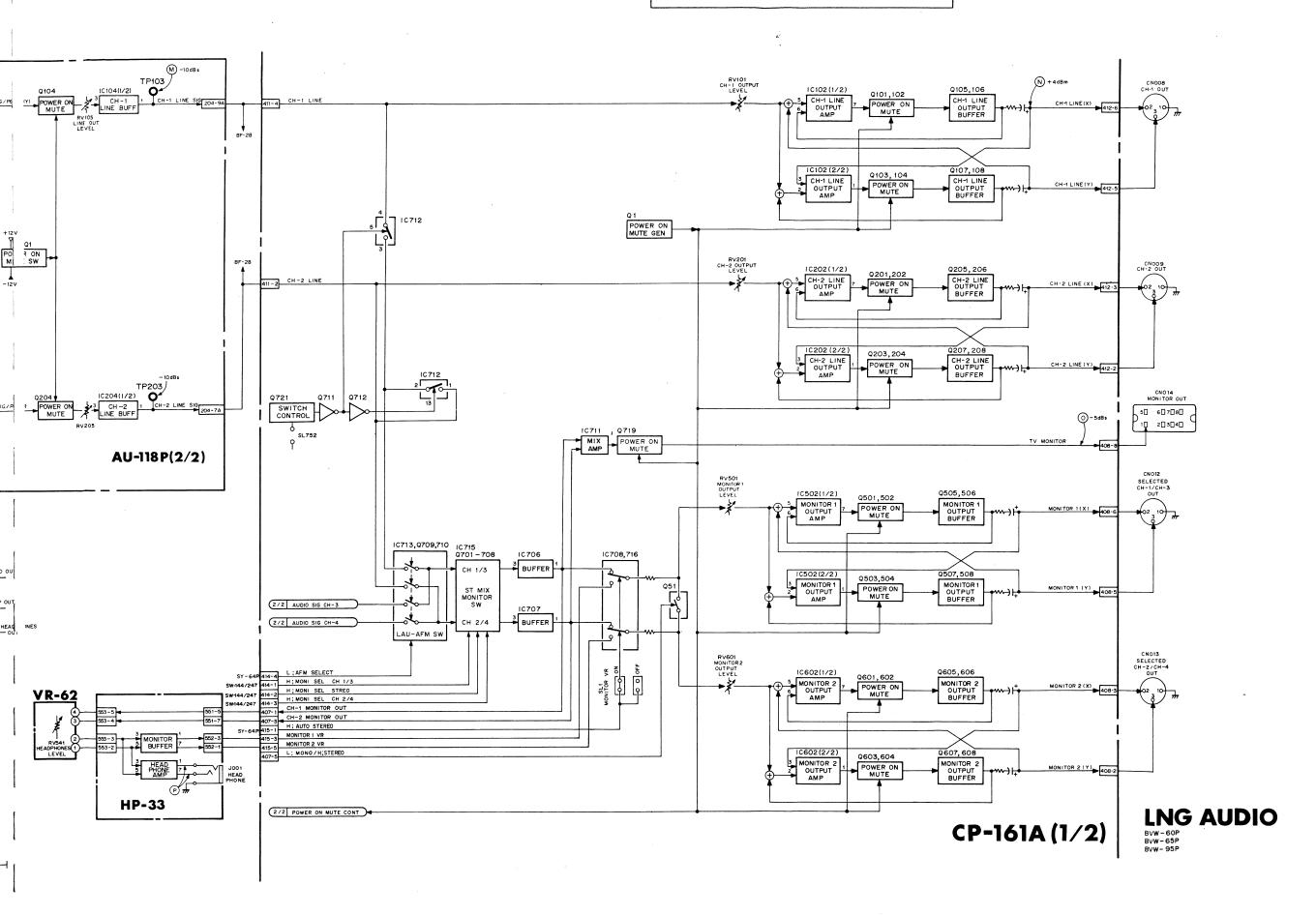


## LNG AUDIO

S/N 12855 and higher

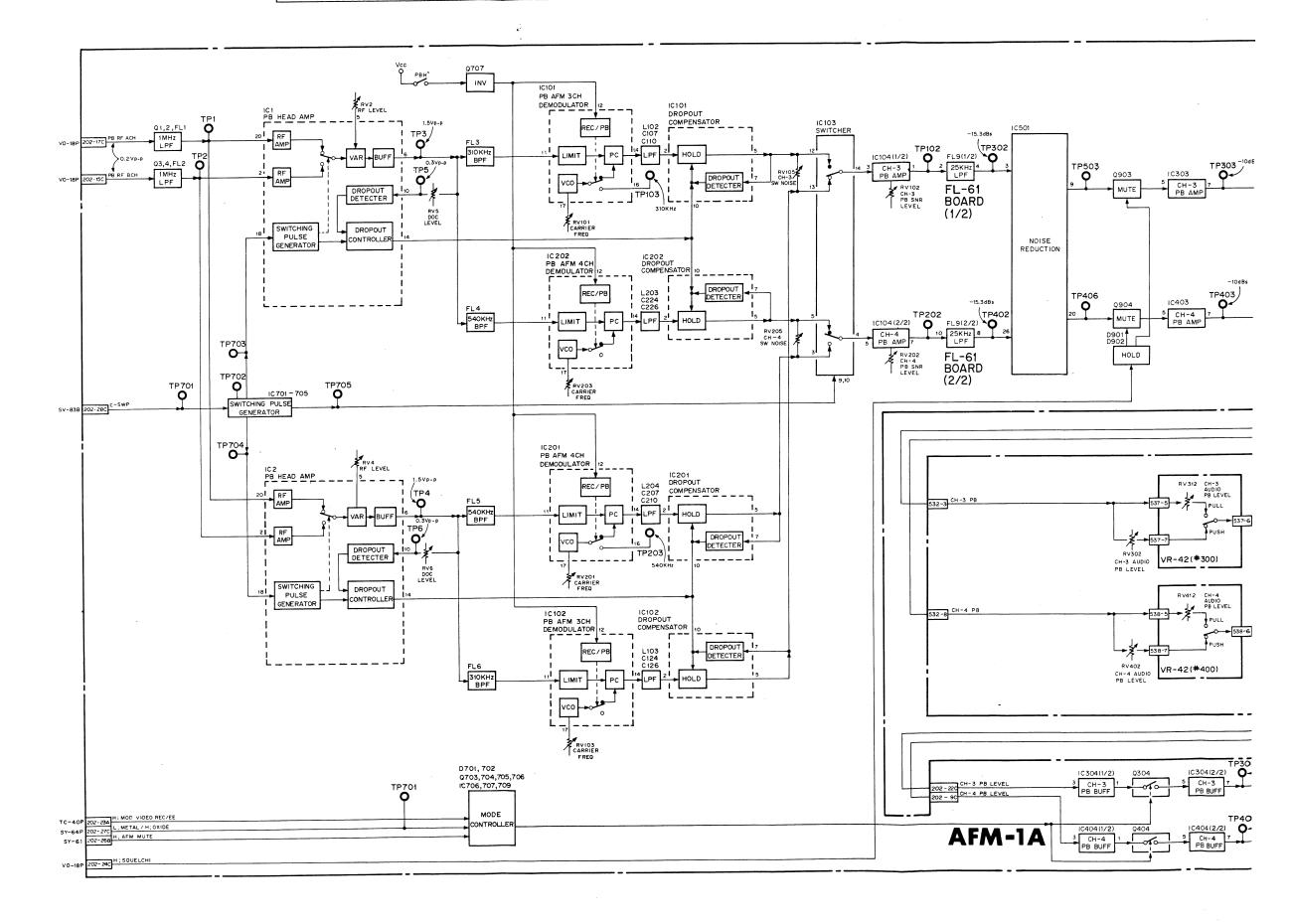


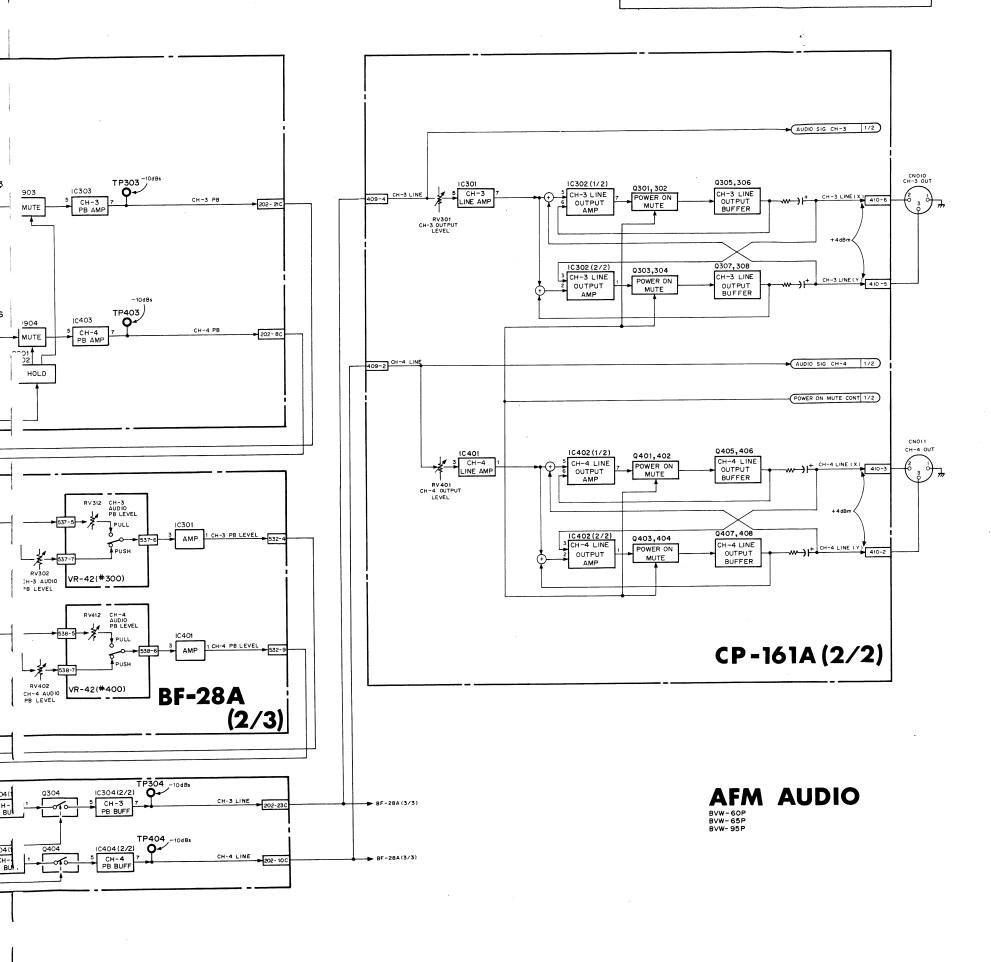




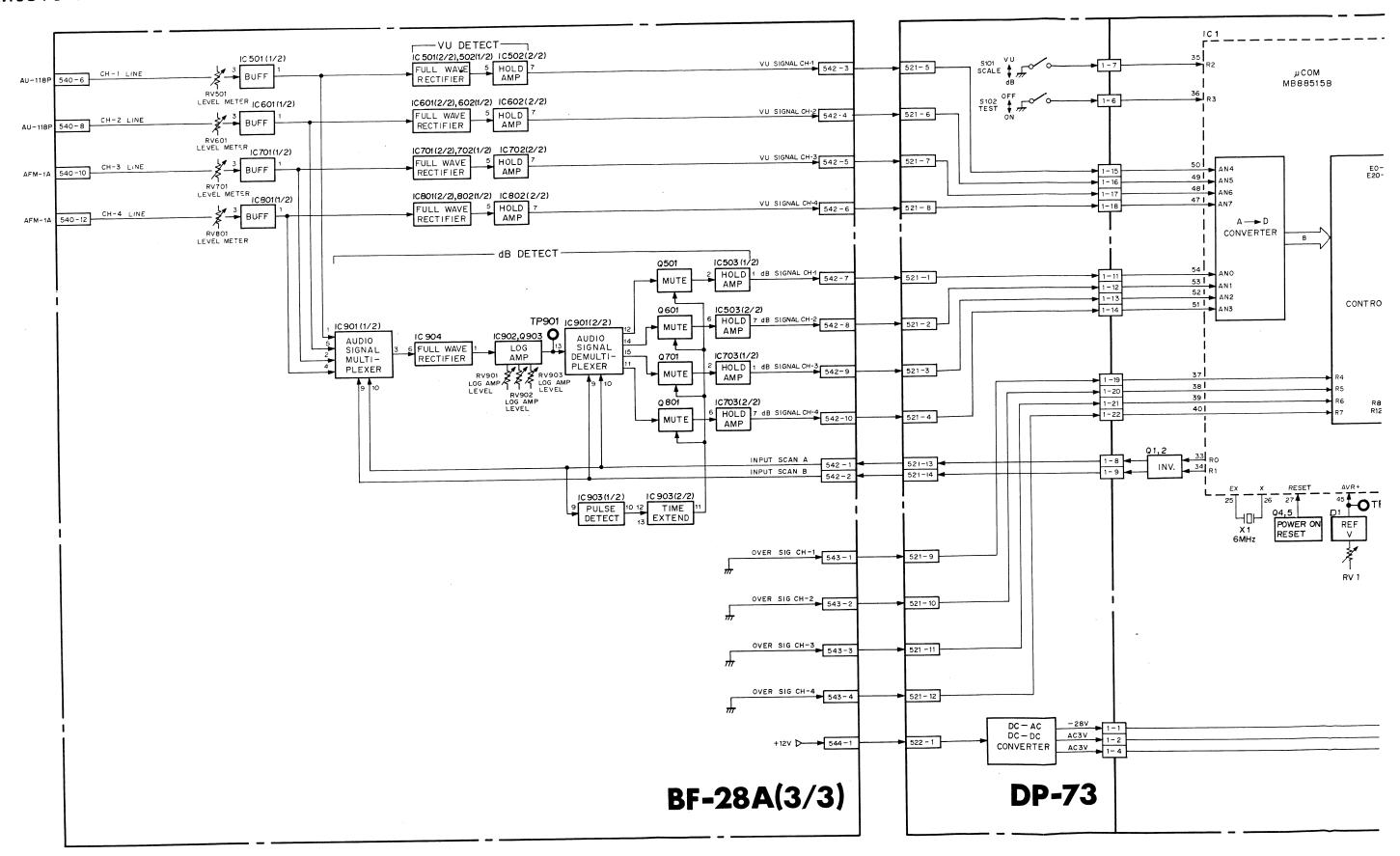
### AFM AUDIO

S/N 12855 and higher

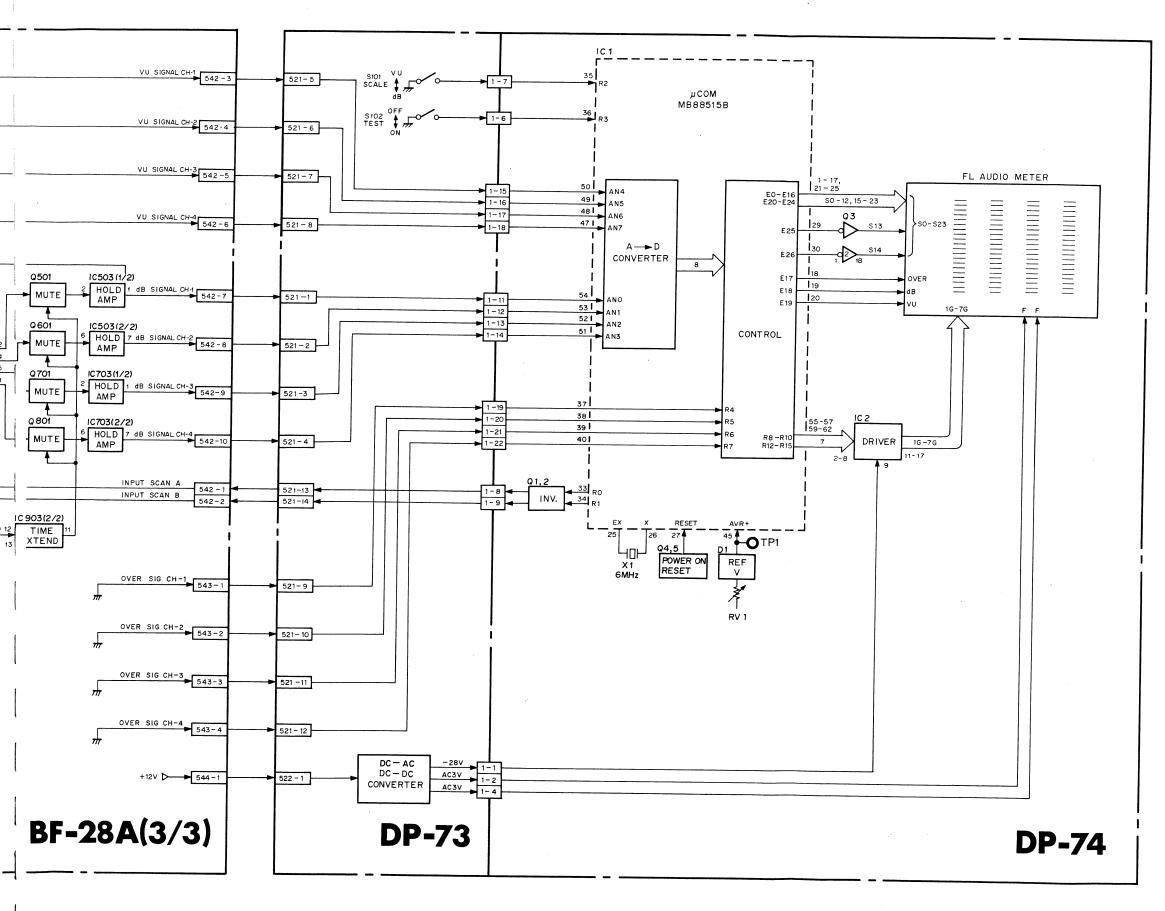




#### AUDIO METER



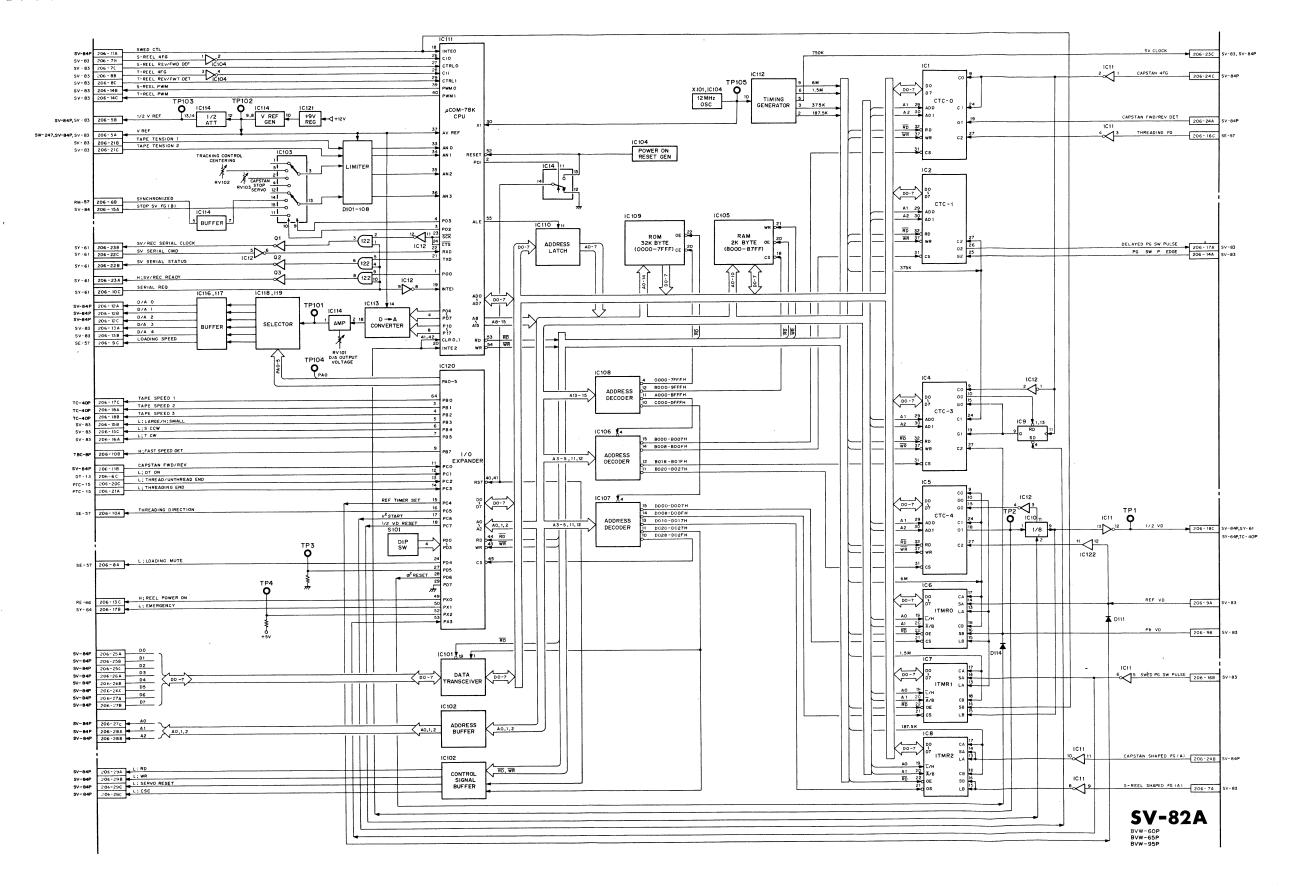
ER



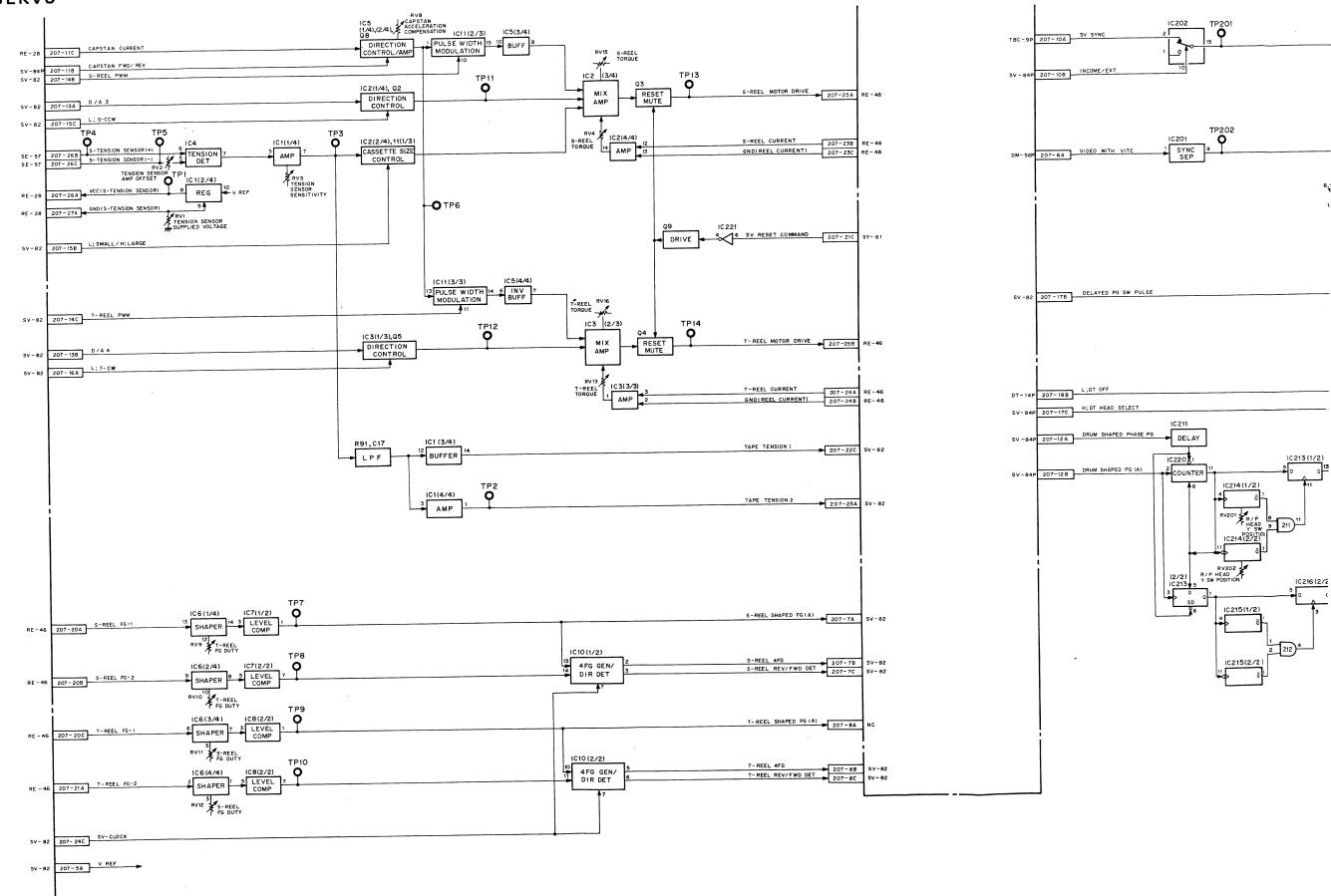
**AUDIO METER** 

BVW-60P BVW-65P BVW-95P

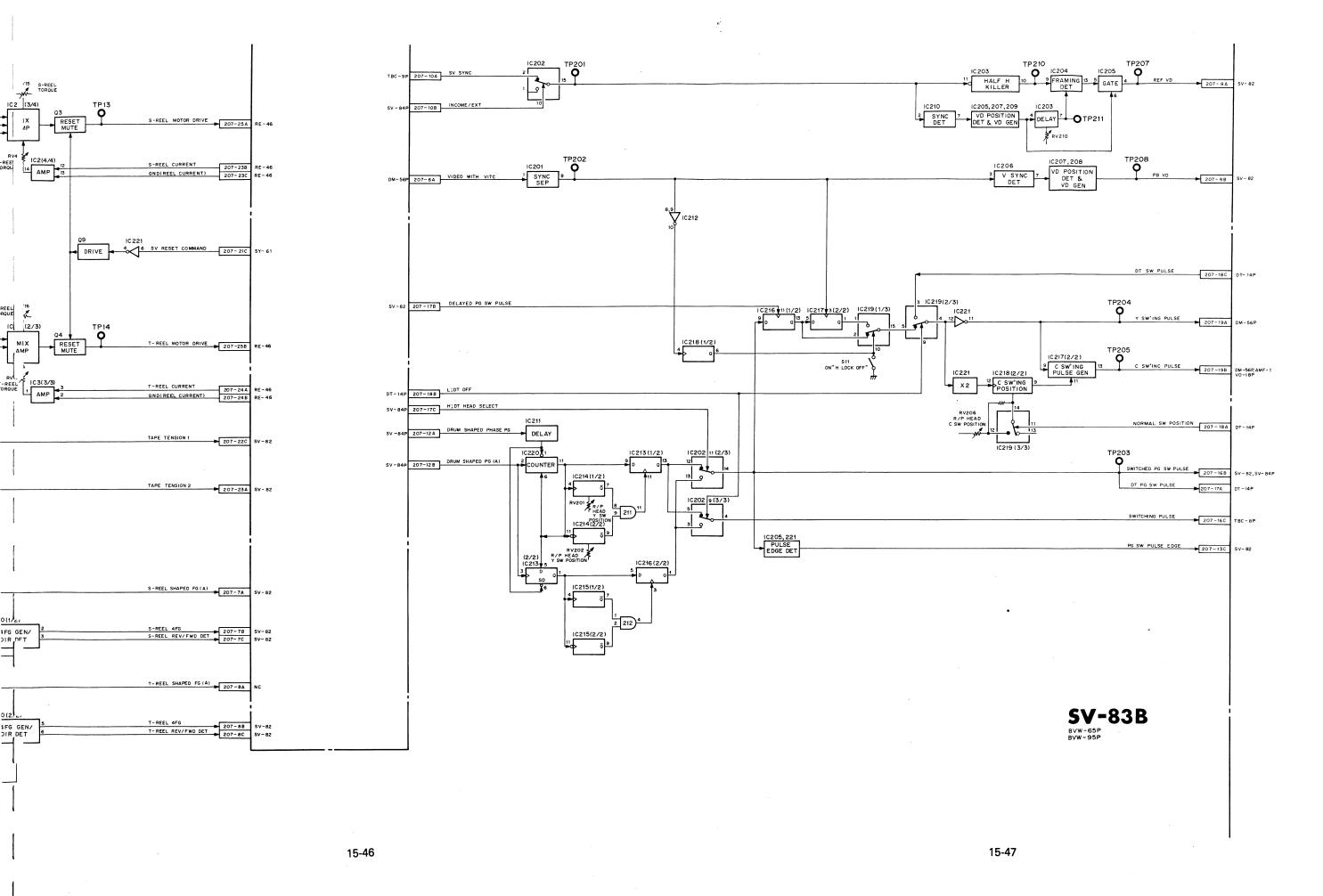
### MICROCOMPUTER SERVO SYSTEM



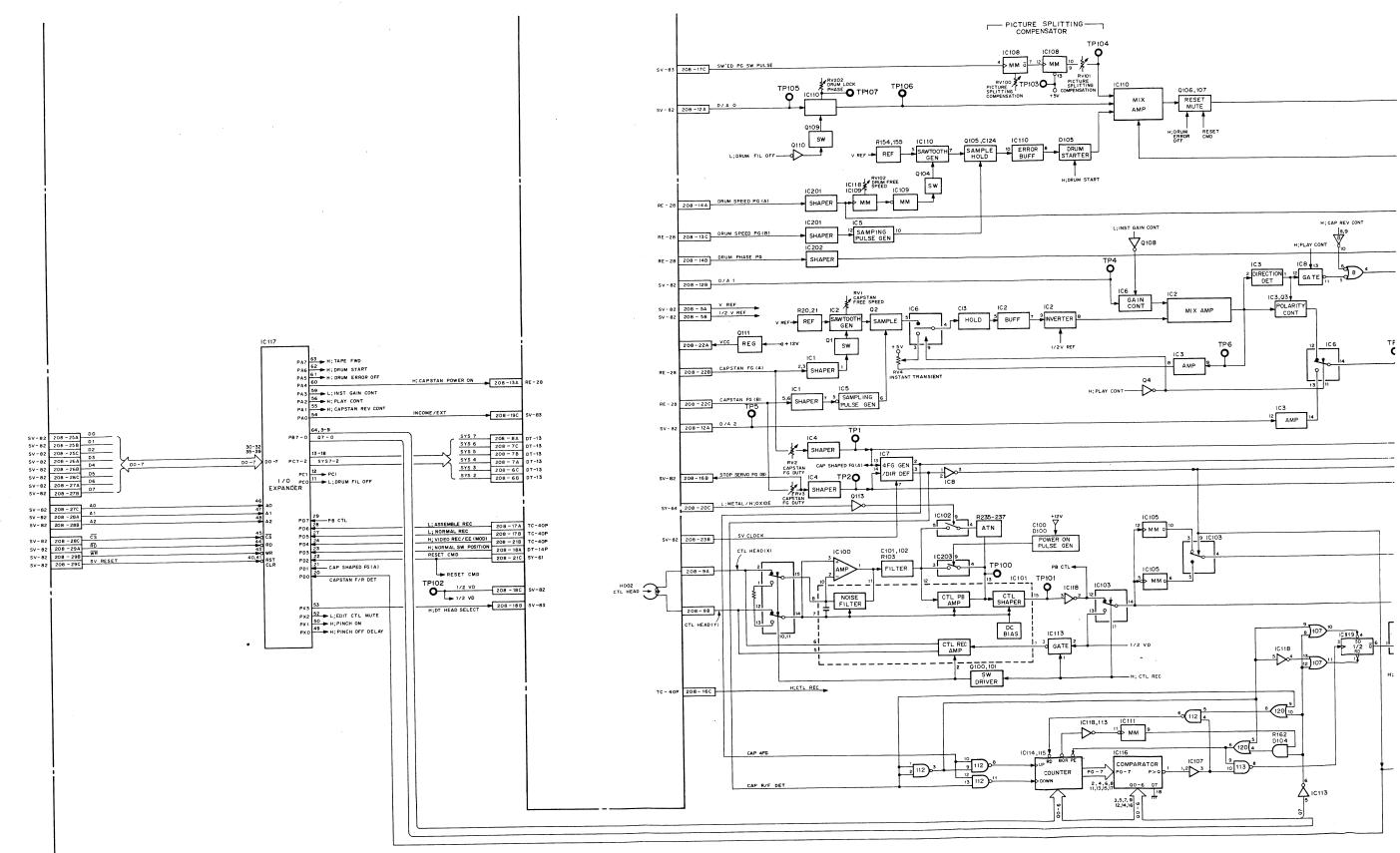
### REEL SERVO

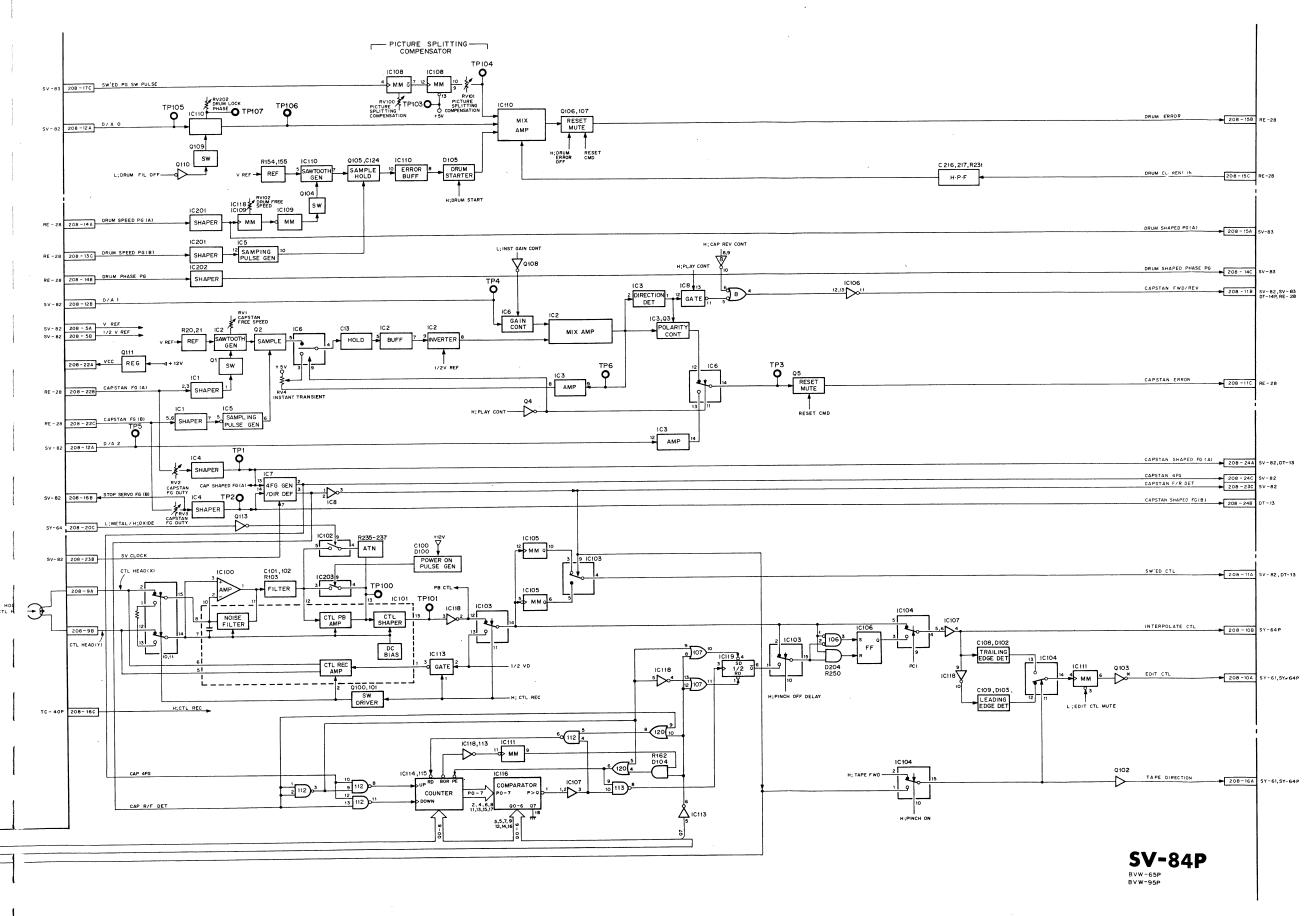


R 10



## DRUM/CAPSTAN SERVO



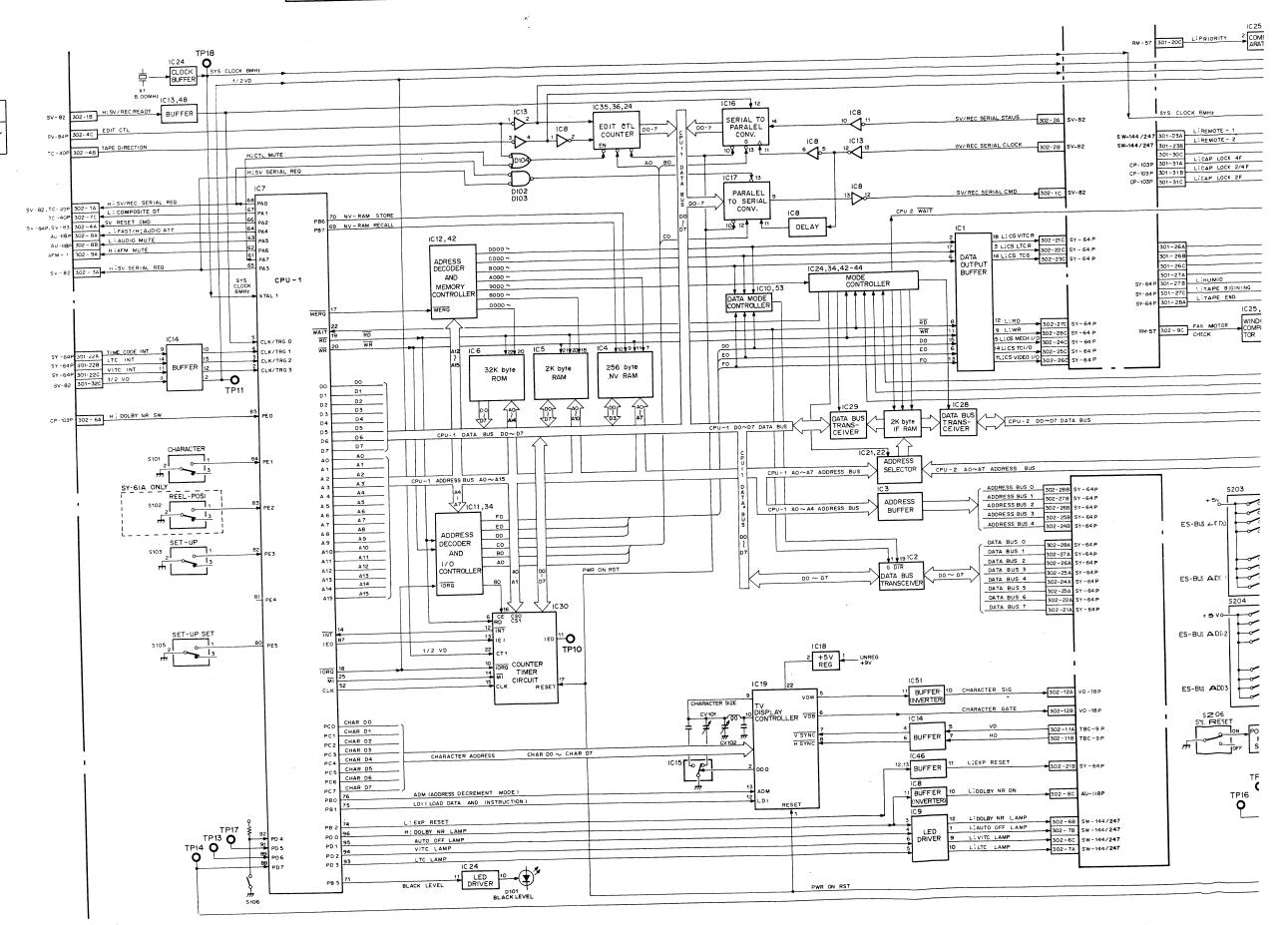


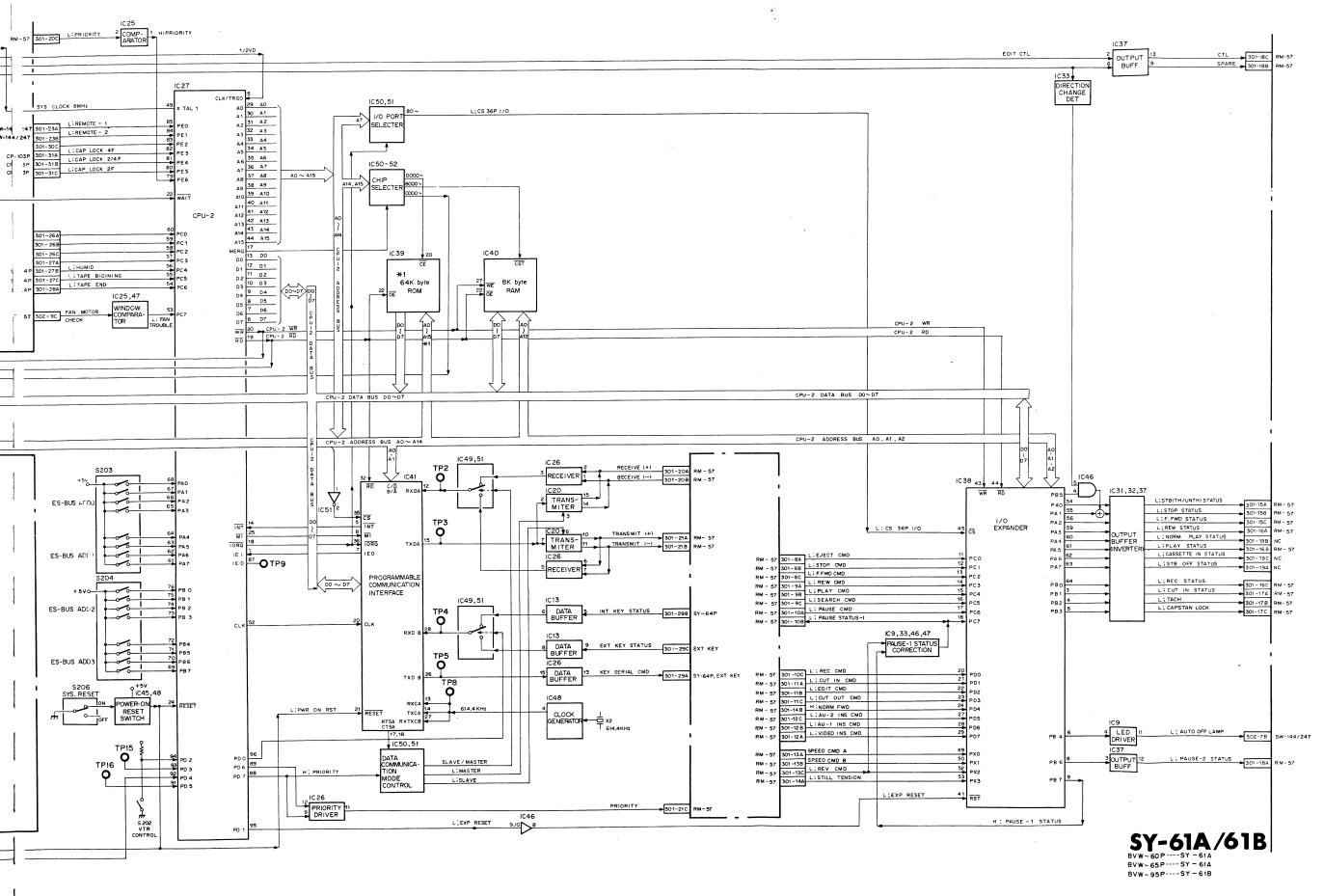
15-50

### SYSTEM CONTROL

NOTE

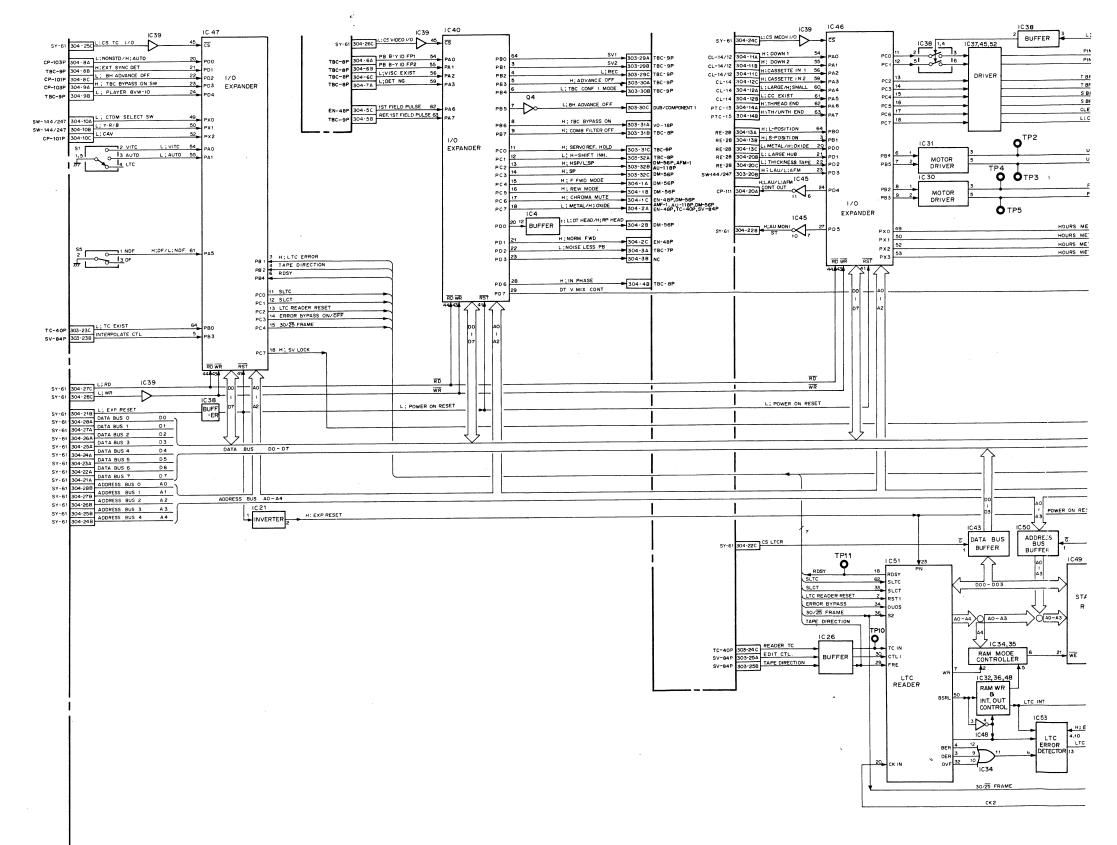
MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC39 32k → 64k A0~A14 → A0~A15	s∕n 10575 ~

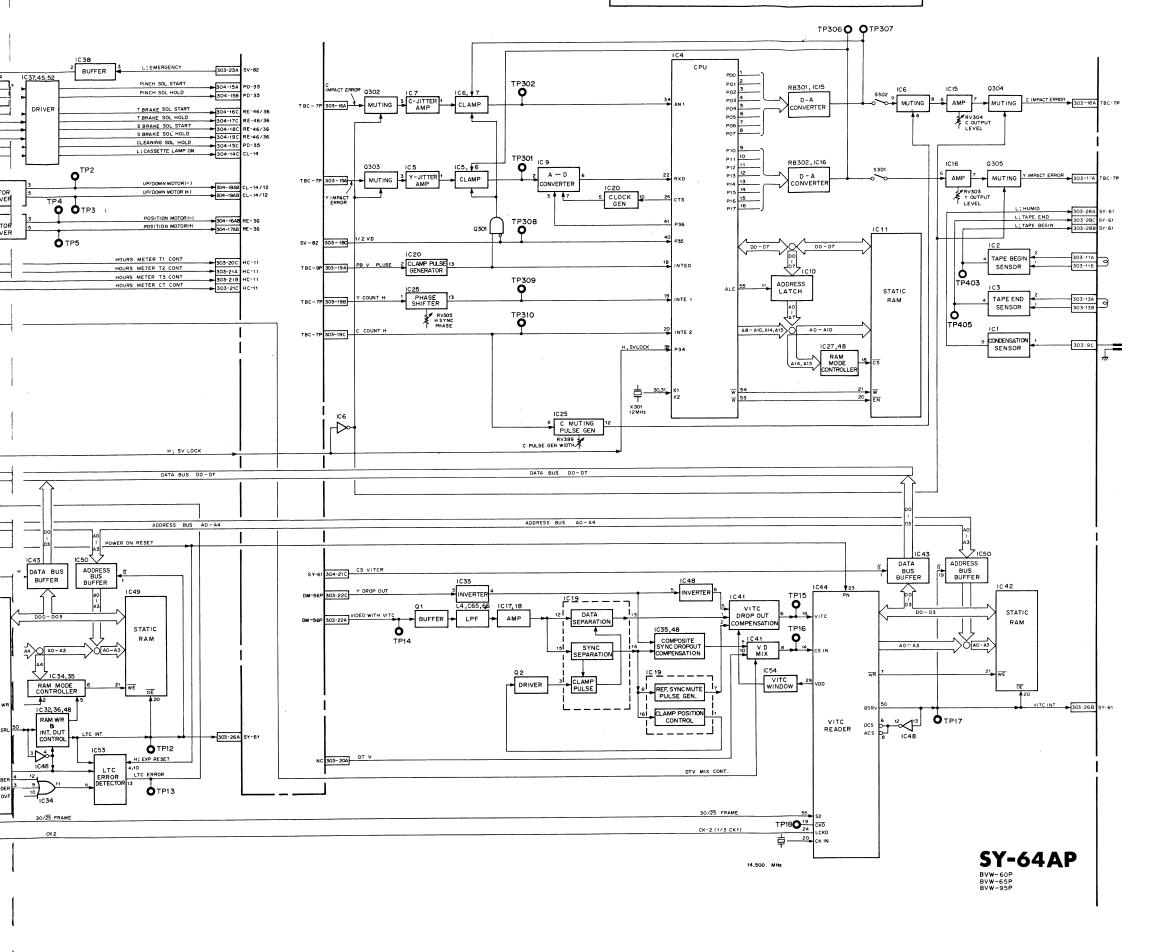




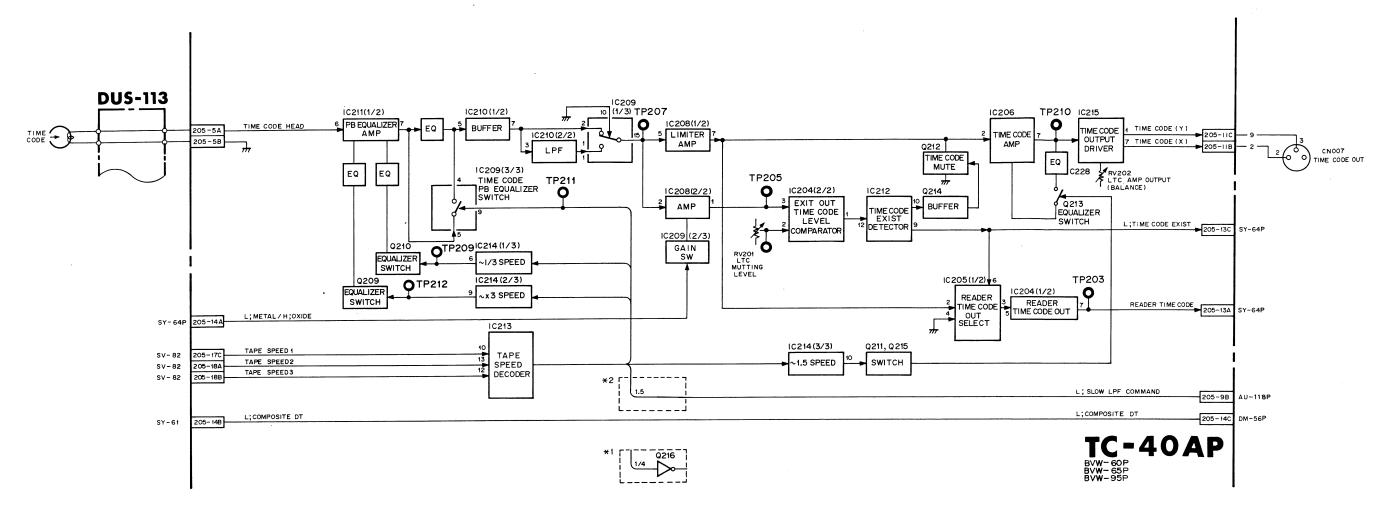
15-54

I/O EXPANDER
TIME CODE READER
TIME BASE IMPACT ERROR CORRECTOR





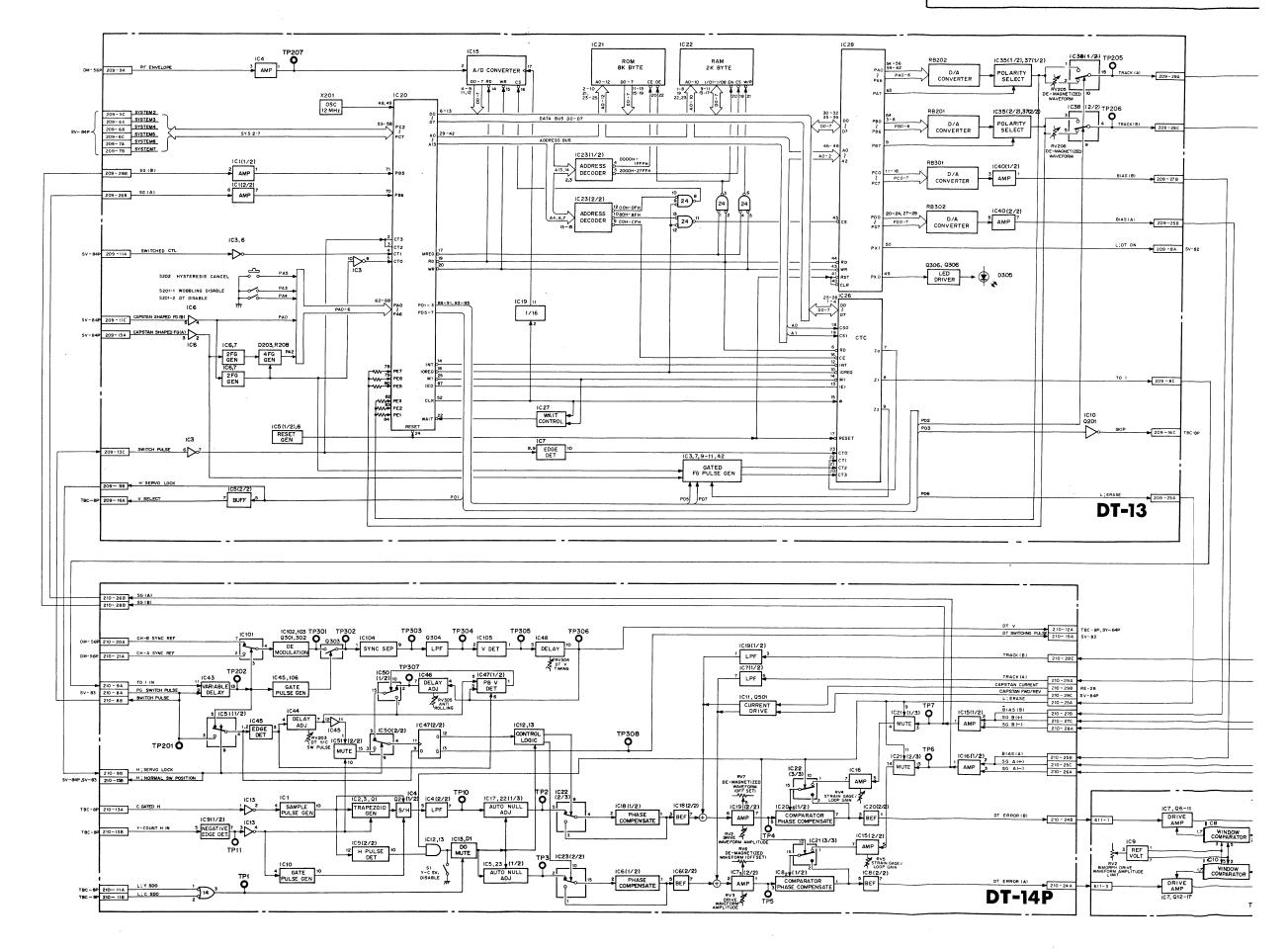
### LTC PB AMPLIFIER

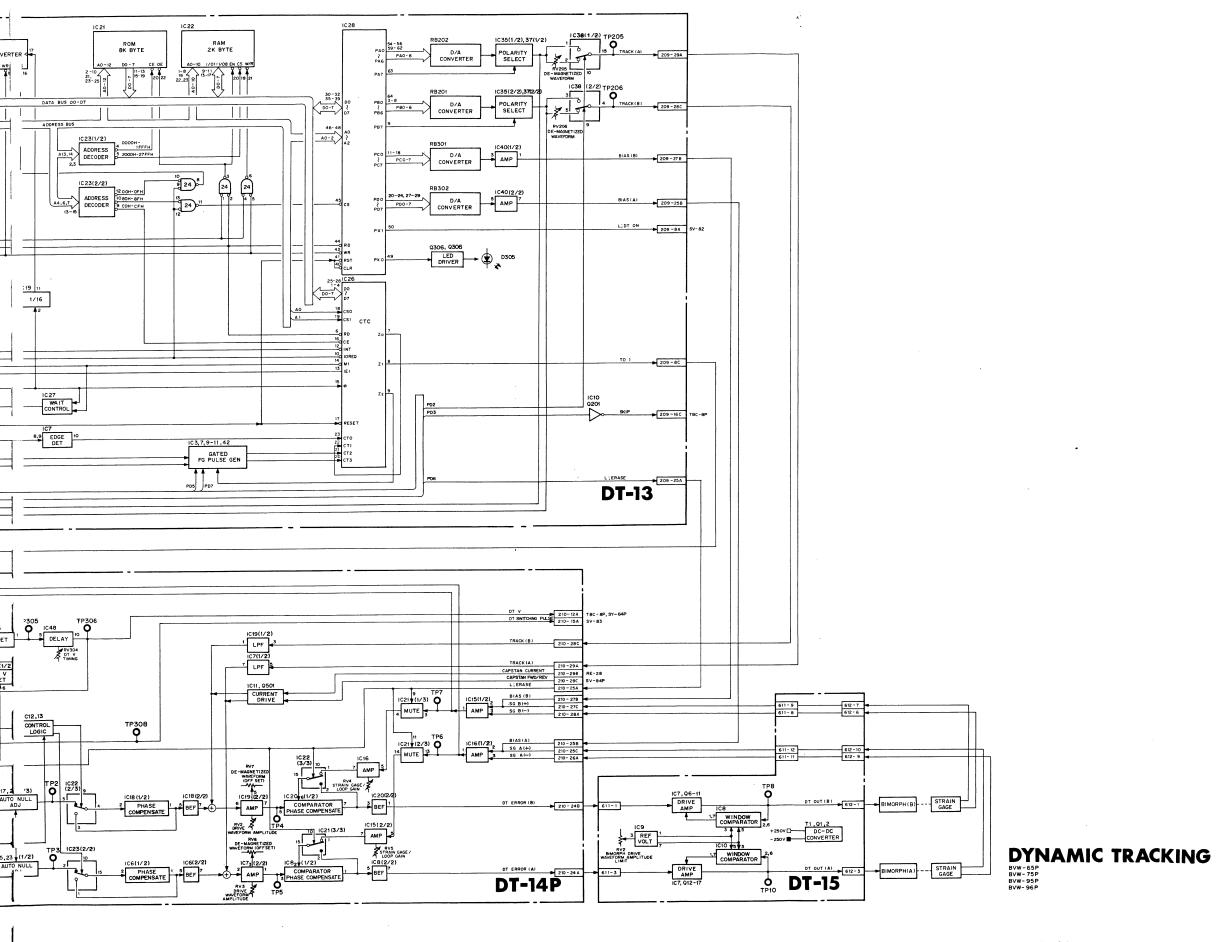


<sup>\*1...</sup>Serial No. up to 10543

<sup>\*2...</sup>Serial No. 10544 and higher

### DYNAMIC TRACKING





# SECTION 16 SCHEMATIC DIAGRAM

## CIRCUIT CONFIGURATION

The circuit information is provided below.

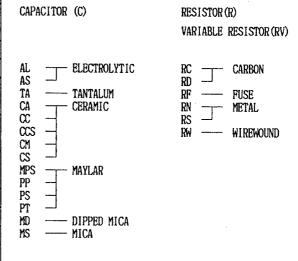
		7
System	Board	Circuit function
	DM-56P	Y/C Demodulator
	DUS-259	Metal/Oxide LPF Switch
	DUS-269	C RF Phase EQ.
	DUS-288	DO RF EQ.
	* 3	
	EQ-26 *3	RF EQ.
	EQ-28 *3	RF EQ.
	TBC-7P *6	Time Base Corrector
	SW-261	Metal/Oxide Y/C Delay
	* 2	Adjust Volume
V IDEO	TBC-7D *7	Time Base Corrector
	TBC-8P *6	Time Base Corrector
	NR-25	Y Digital Noise
	*6	Reduction
	TBC-12P	Time Base Corrector
	*7	
	NR-32	Y Digital Noise
	*7	Reduction, Read Clock
		Generator
	TBC-9P	Time Base Corrector
	EN-48P	C Encoder
	VO-18AP	Video Output
	DUS-270	Squelch Buffer
	DEC-39A	Edge Detector
	*4	
	DEC-46AP	Edge Detector
	* 5	
	CP-103AP	Sub Control Panel
	CP-101AP	REF Video Input
	AU-118P	LNG Audio Head Amplifier
	AFM-1A	AFM Audio Demodulator
	FL-61	Low-Pass Filter
	BF-28A	Audio Buffer/Level
		Detector
AUDIO	VR-42	Audio PB Volume
	CP-111	Audio Output
	CP-161A	Amplifier/Driver
	CP-113	Audio Balanced Amplifier

System	Board	Circuit function	
	HP-33	Headphones Amplifier/	
		Jack	
AUDIO	VR-62	Headphones Level Volume	
110210	DP-74	Audio Level Meter	
	DP-73	DC-AC/DC Converter	
	SW-144A	Select Switch/Display	
	DP-72	RF Meter LED	
	SV-82A	Microcomputer Servo	
	SV-83B	Reel Servo	
	SV-84P	Capstan/Drum Servo	
	RE-28	Capstan/Drum Motor	
		Driver	
	PTC-20	Cassette Detector (Tape	
		Thickness, Reel Hub	
		Diameter, Metal/Oxide)	
	PTC-36	Cassette Detector (Tape	
		Thickness, Reel Hub	
		Diameter, Metal/Oxide)	
SERVO	PTC-21	Reel Table Position	
		Detector	
	DR-56	Drum Error Amprifier,	
		Capstan/Reel Motor	
		Driver	
	RE-36	Reel Motor Drive:	
	RM-40	Reel Motor	
	DE-15	Reel Motor FG	
	SE-57	Threading Motor Control	
	PTC-31	Threading Motor IG	
	TR-18	Tape Tension Sensor	
	DT-13	Dynamic Tracking	
	DT-14P	Dynamic Tracking	
	DUS-282	Strain Gage Buffer	
	*1	_	
	DT-15	Dynamic Tracking	
	·		

	<del></del>	<u> </u>	
System	Board	Circuit function	
	SY-61A	System Control	
	SY-64AP	Time Code Reader	
	PD - 35	Pinch/Cleaning	
		Solenoid	
	PTC-15	Thread/Unthread End	
		Sensor	
	RM - 57	Remote Connector	
	CL-14	Cassette-up Compartment	
	CL-24	Cassette-up Compartment	
	*8	LED	
SYSTEM	PC-32	Large/Small Cassette	
CONTROL	* 2	Detector	
	PC-47	Large/Small Cassette	
a.	* 3	Detector	
	PC-33	Cassette Down Detector	
	PC-41	Cassette In Detector	
	CCM-2	Up/Down Motor	
	HC-11	Hours Meter	
	KY-96B	Keyboard	
	KY-107	Keyboard	
	PTC-32	Search Dial	
	DP-71A	Time Counter Display	
	PT-9	Power Transistor	
	TC-40AP	LTC PB Amplifier	
	AC-81 *2		
	AC-96 *3	Relay Board of AC Inlet	
	M1	Switching Regulator	
	M2	Switching Regulator	
	C1	Switching Regulator	
OTHERS	C2	Switching Regulator	
	MB-191B	Mother Board	
	MB-192	Mother Board	
	EX-116	Extension Board	
	EX-134	Extension Board	
	EX-151	Extension Board	

#### NOTE.

In the schematic diagrams, the following marks are described nearby reference number. These are parts data at factory.



<sup>\*1...</sup>Serial No. 10161 and higher

<sup>\*2...</sup>Serial No. up to 10191

<sup>\*3...</sup>Serial No. 10192 and higher

<sup>\*4...</sup>Serial No. up to 10669

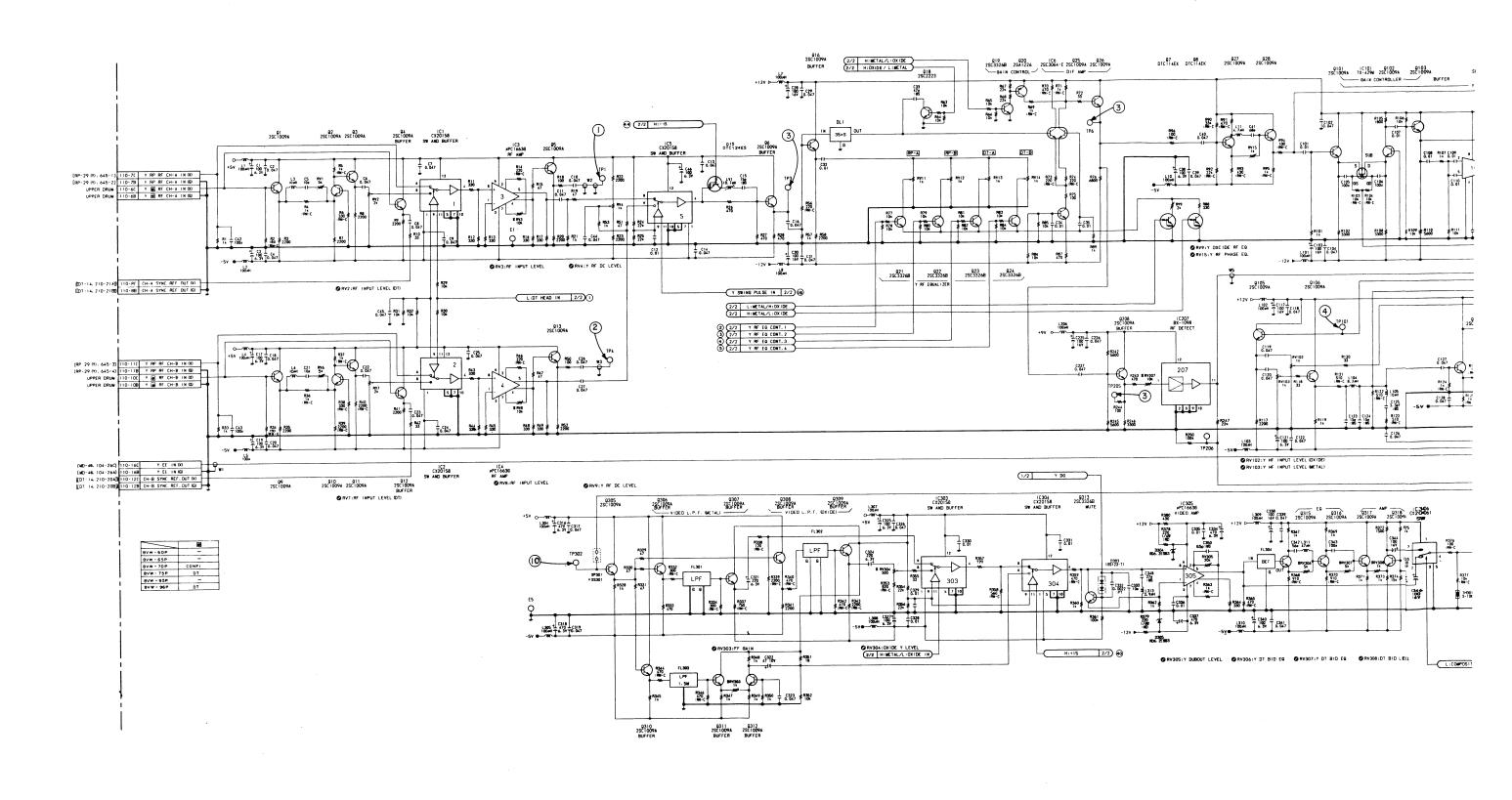
<sup>\*5...</sup>Serial No. 10670 and higher

<sup>\*6...</sup>Serial No. up to 10769

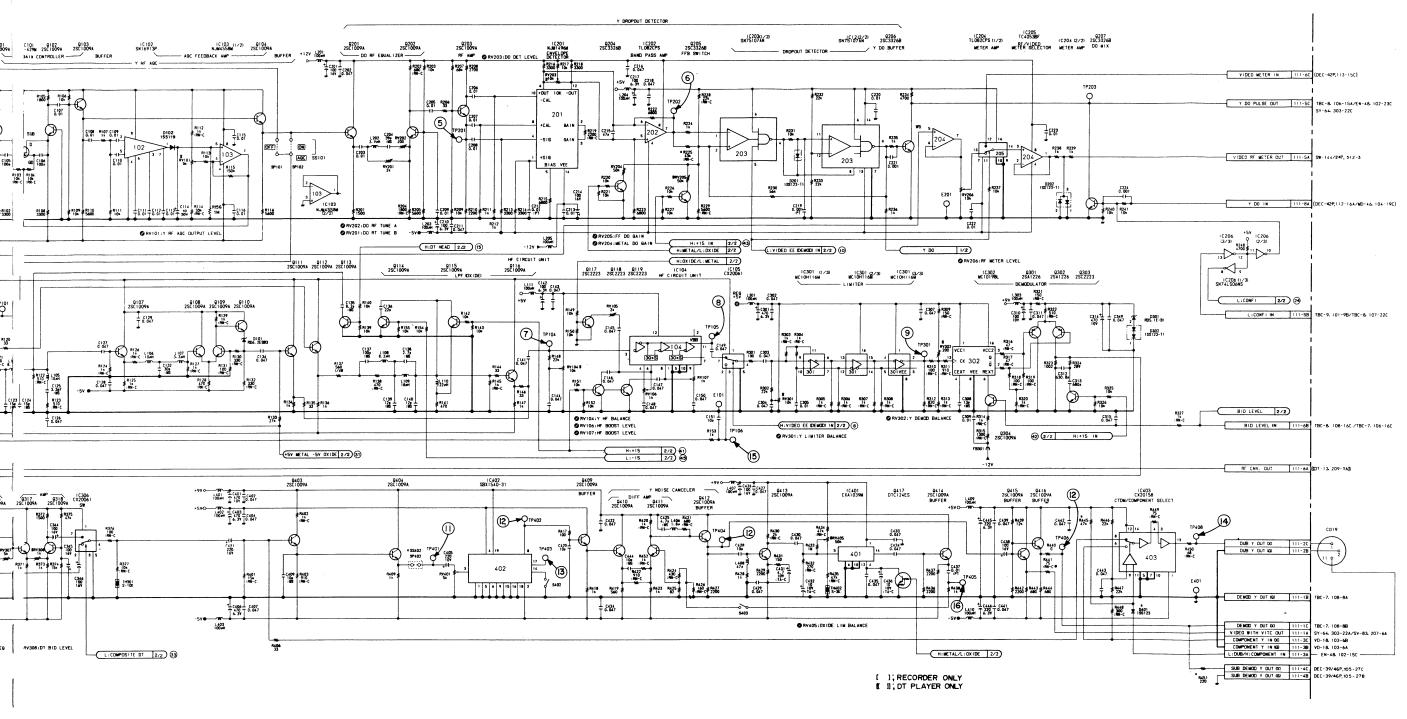
<sup>\*7...</sup>Serial No. 10770 and higher

<sup>\*8...</sup>Serial No. 12112 and higher

S/N 10061 through 10191



16-8 (a) 16-7 (a)



DM - 56P(1/2)
1-622-545-31
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P

16-9 (a) 16-10 (a)

K L

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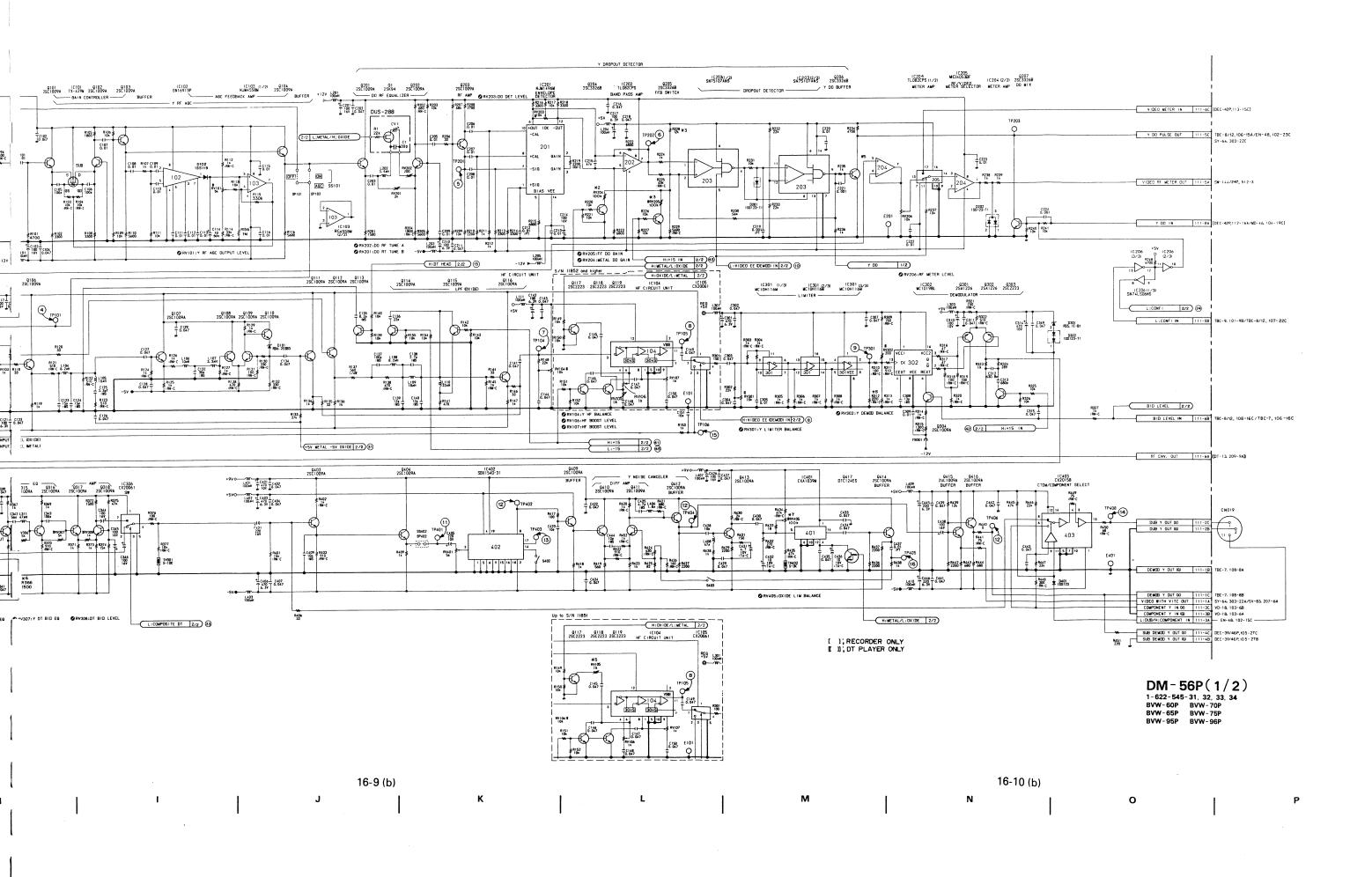
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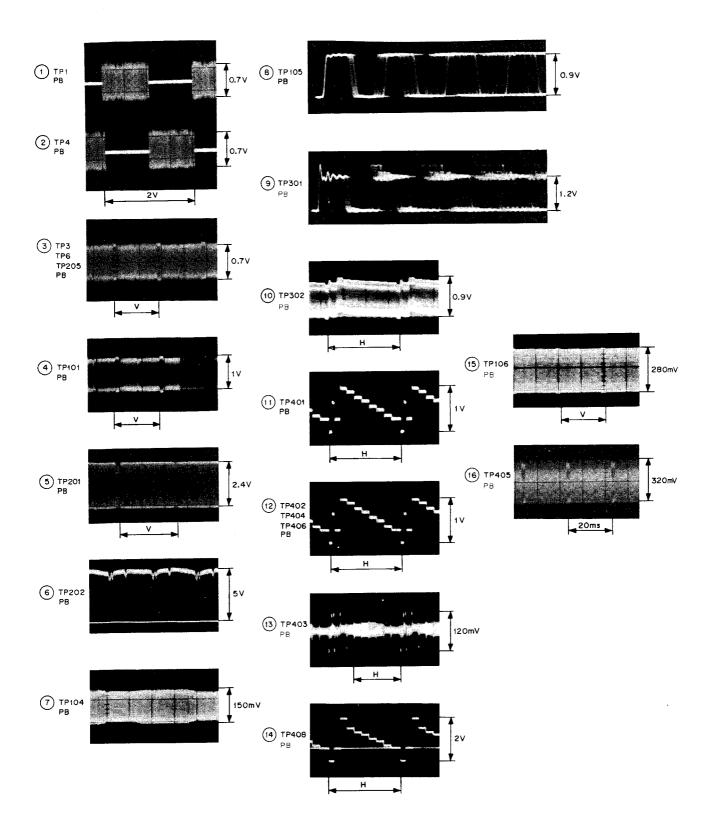
16-7 (b)

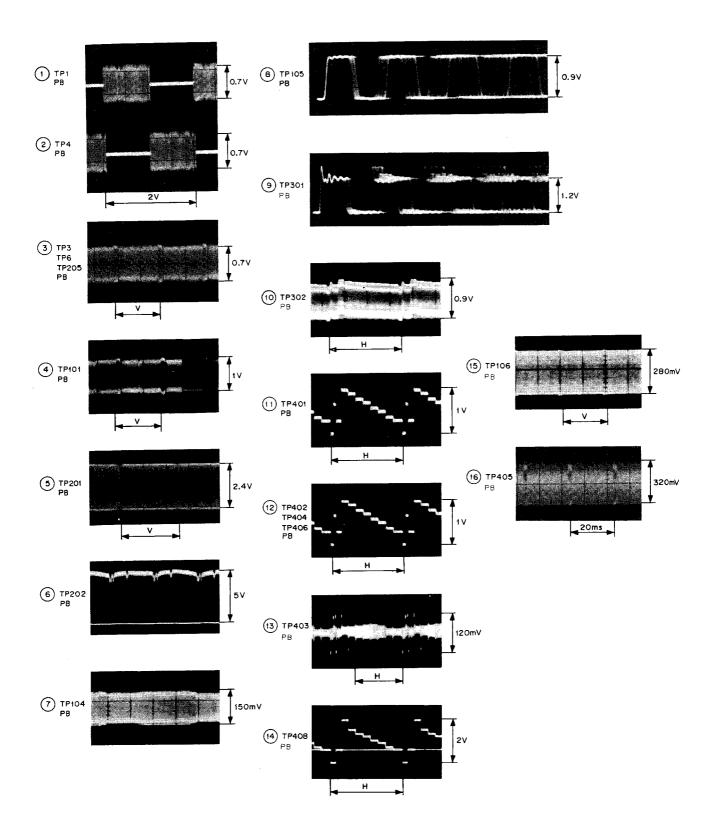
B C D E F G H I

9311 2SC1009A 2SC1009A BUFFER BUFFER

0310 2501009A

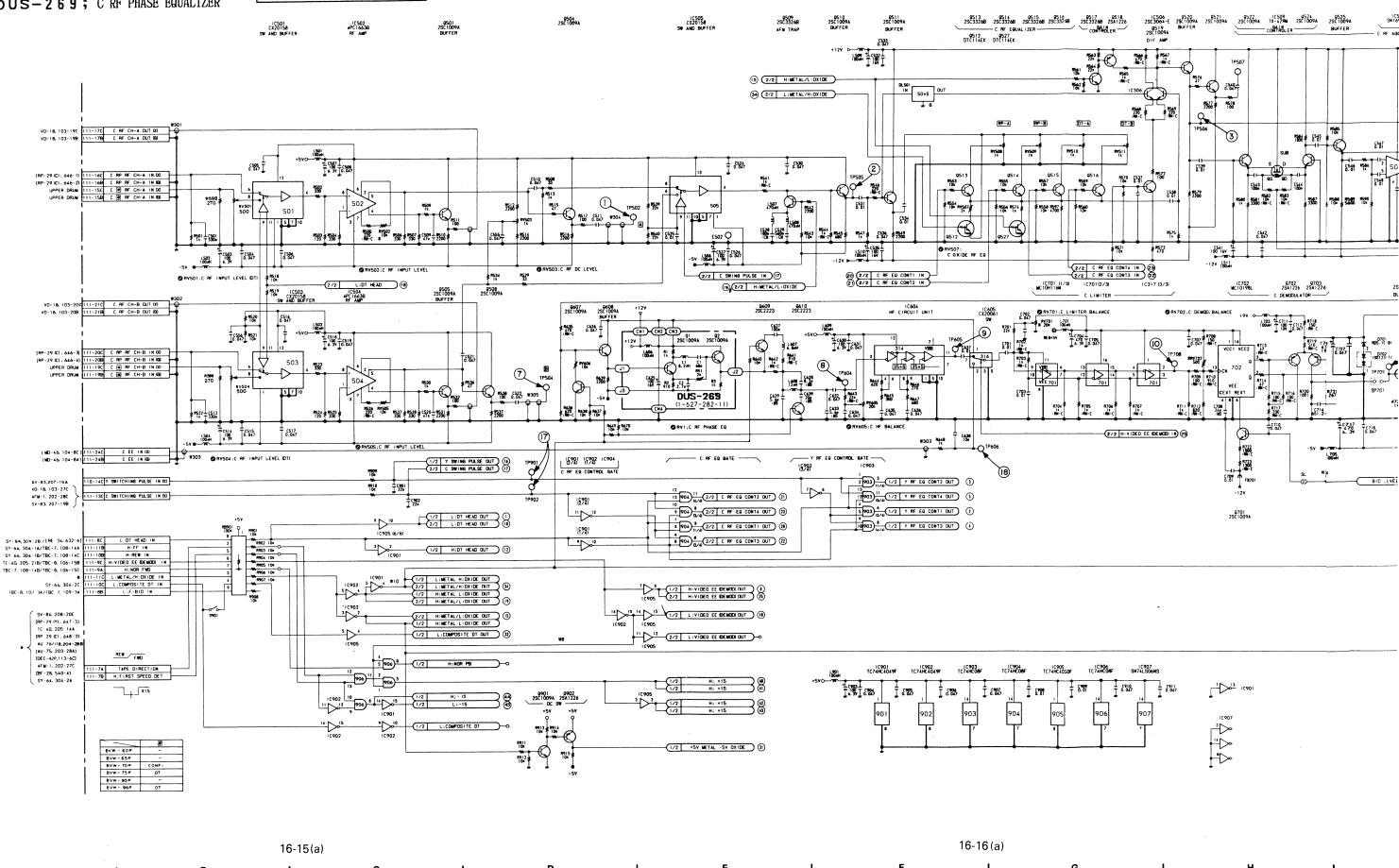


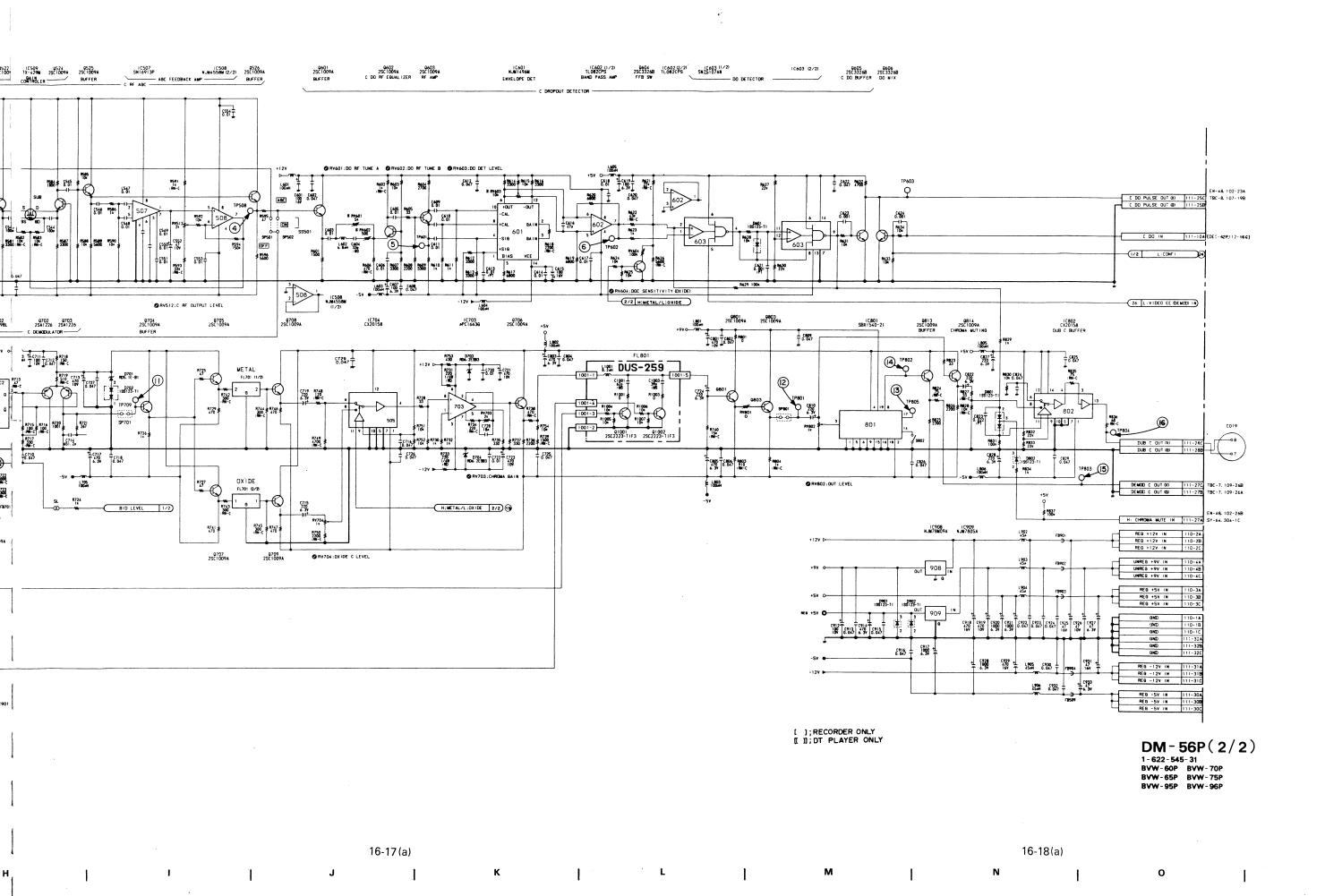




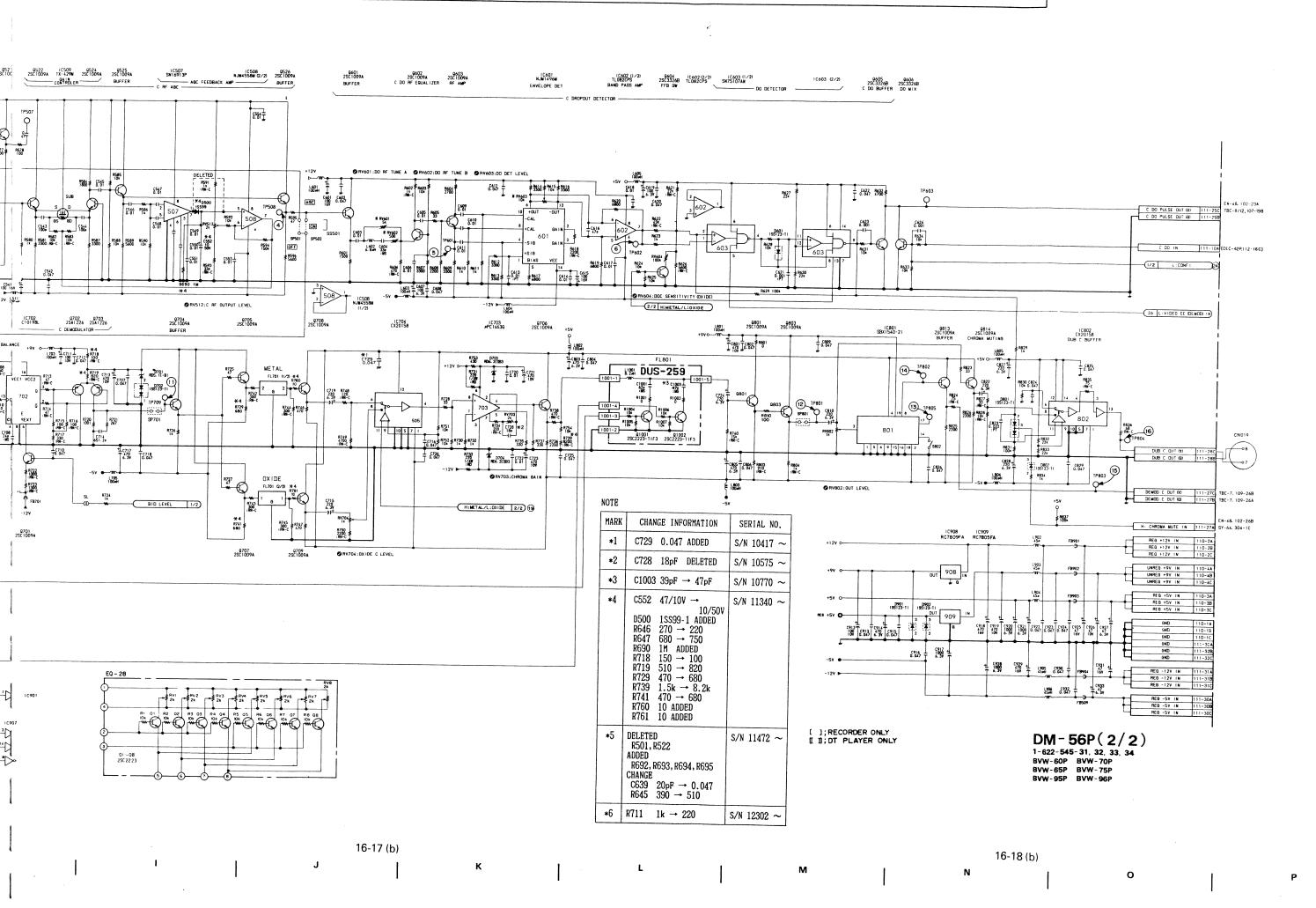
DM-56P (2/2); C DEMODULATOR DUS-259; METAL/OXIDE LPF SWITCH DUS-269; C RF PHASE EQUALIZER

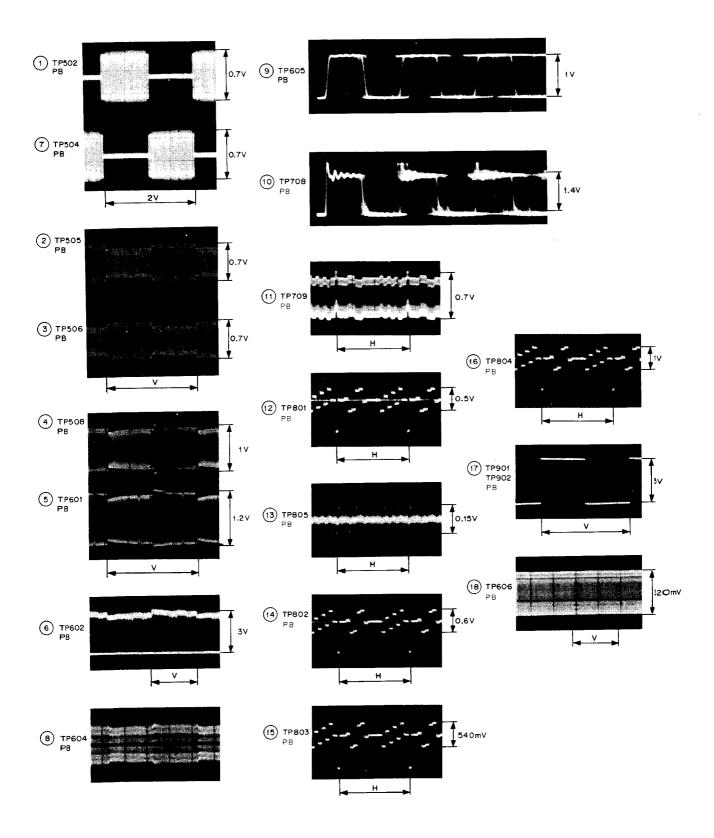
S/N 10061 through 10191

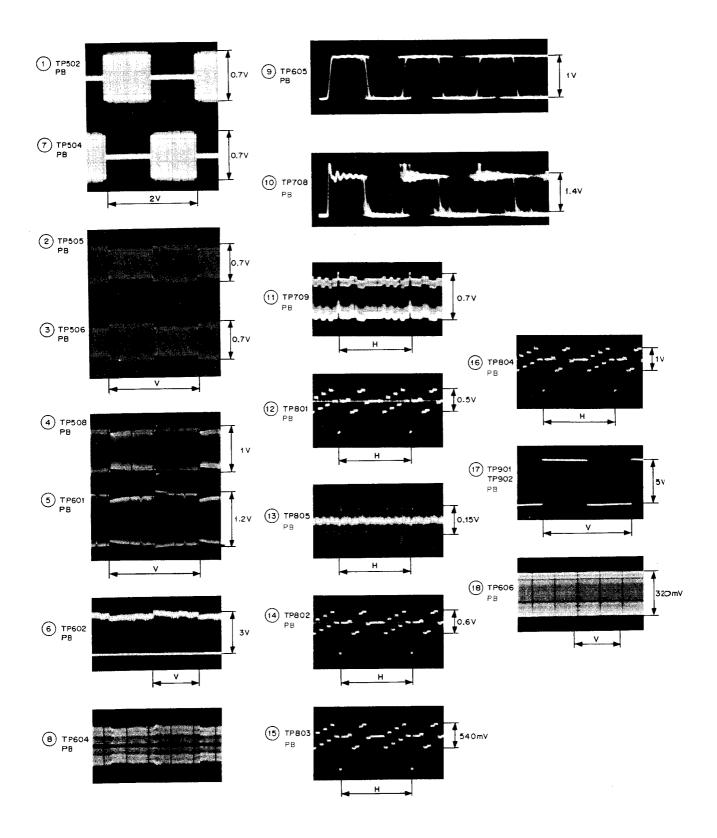




DM-56P (2/2); C DEMODULATOR DUS-259; METAL/OXIDE LPF SWITCH S/N 10192 and higher DUS-269; C RF PHASE EQUALIZER EQ-28; RF EQUALIZER 2511 2SC1009A BUFFER 9513 9514 9515 9516 9517 9518 28C3326B 28C3326B 28C3326B 28C3326B 28A1226 PC1663B RF AMP 2503084-E 2519 2501009A DIF AMP Q512 Q527 DTC114EK DTC114EK CS33 0. 047 1509 +1 c532 I 1561 2554 1562 1574 3 85777 17506 RS65 15 2/2 H: METAL/L: OXIDE -C 5549+ 34 2/2 L:METAL/H:OXIDE E0 - 28 R584 € C545 1800 € 0.01 +I CS07 I 100 T CS08 T 6. 3V T 0. 047 ⊥ C524 ⊤ 0.047 T 0.530 TP505 2 R555 10k 0.047 33 RS70 CS37 ₹R572 100 15-300 18 GS 41 100+ C544 1,597 C538 0. 01 RS17 C511 W304 P502 R587 R588 R589 R590 10x 5600 10x 501 ₹R556 ₹R558R600 3 31508 1700# 1 5 7 10 C534 \*5 R695 820 HS05 RYS02 220 100 RS06 ₹ RS07 ₹ CS09 T RS10 ₹ 180-C # 330 ₹ 330 ₹ 47, T 2200 ₹ C528 C529 470MH R543 R544 R545 \$
:CH T :CH T \$10x :RN-C\$ 680 \$ ₹8514 2200 #540 C525 T RS47 ≢ C536 ≢RS49 C542 0. 047 -5v 1000+1 6.3v 0.047 L502 T C503 T C504 0.047 1 C535 I C541 +1 100 16v T ≸R571 10k ●RV502:C RF INPUT LEVEL ORV503:C RF DC LEVEL ORV501:C RF INPUT LEVEL (DT) ≢R518 R529 33 2/2 C SWING PULSE IN 17 20 2/2 C RF EQ CONT1 IN 21 2/2 C RF EQ CONT2 IN 2/2 L:DT HEAD 18 RS19 1C503 10x CX20158 SW AND BUFFER 0505 2SC1009A BUFFER 9508 2SC1009A 19 2/2 H:METAL/L:OXIDE 10701 (1/3) MC10H116M 10701(2/3) 9702 9703 25A1226 25A1226 C DEMODULATOR 10702 MC10198L VO-18, 103-200 111-21C C RF CH-B OUT 00 C 2609 2SC2223 0610 2SC2223 IC604 HF CIRCUIT UNIT C702 ORV701; C LIMITER BALANCE RV702:C DEMOD. BALANCE ₹R520 RY701 1701 1 20k 100mH C626 C627 —(CH1)-(CH2)(CH3) TC707 ₹ R708 150 0.047 RN-F 11-20C C RP RF CH-B IN 00 11-20B C RP RF CH-B IN 00 11-19C C RF CH-B IN 00 11-19B C R RF CH-B IN 00 (RP-29 (C) . 646-3) (RP-29 (C) . 646-4)  $\forall$ ₹R640 R642 ₹910 10k 1k ₹1RN-C 503 #RY702 8.2 ml 66 mg/l 2k mg/ UPPER DRUM R599 180 ≢ R709 R710 100 910 RN-C :RN-C 1608 B.22 B #715 #716 #720 #700 ₹ 1000 # PS38 C522 W305 C632 R643 0.047 278 R645 1RN-C RY605 20k DUS-269 5629 ⊥ 5.68 T ≢R647 ★ 4 R526 RV505 220 10k R527 ₹ R528 ₹ C520 + R531 ₹ RN-C 330 ₹ 330 ₹ 470 + 2200 ₹ C633 I C634 T:88 I C634 R524 ≢ R525 ≢ R636 \$ 620 R638 ≢ R637 ≢ 249 249 T 0.047 ± C636 ∓ 0.047 R649 R670 RV1:C RF PHASE EQ C517 0.047 T0.047 1 6.717 L 6.30 T 0.047 2/2 H: VIDEO EE OEMOD) IN 25 1-24C C EE IN 00 1-24B C EE IN (8) ₩303 ØRVS04:C RF INPUT LEVEL (DT) ₹7722 1000 :RN-C 10901 10902 10904 - Y RF EQ CONTROL GATE ----L 705 10902 R723 1300 :RH-C \$V-83,207-19A V0-18. 103-27C AFM-1. 202-28C SV-83. 207-19B 10-14C Y SWITCHING PULSE IN 00 €7**09** ↑ FB701 2 903 3 1/2 Y RF EQ CONT2 OUT 3 R910 10k T 220 3 904 (4/4) 2/2 C RF EQ CONT2 OUT (1) 12 903 11 1/2 Y RF EQ CONTA OUT (5) T 2902 10901 9 904 8 2/2 C RF EQ CONT4 OUT 23 5 903 6 1/2 Y RF EQ CONTI OUT 2 L''|\rightarrow\frac{12}{2} 0701 2SC1009A 2 904 3 (2/2 C RF EQ CONT1 OUT 20 10 903 8 1/2 Y RF EQ CONTS OUT 4 (629) 4 904 8 2/4 2/2 C RF EQ CONT3 OUT (2) SY-64,304-2B/(RE-34,632-6) SY-64,304-1A/TBC-7,108-14A SY-64,304-1B/TBC-7,108-14C , No. 3 1C901 1/2 H;DT HEAD OUT (1) TBC-7. 108-14B/TBC-8. 106-150 7 6 1/2 H: VIDEO EE (DEMOD) OUT (8)
1C905 2/2 H: VIDEO EE (DEMOD) OUT (25) SV-84, 208-20C [RP-29 (Y) , 647-3] TC-40, 205-14A [RP-29 (C) , 648-3] -2/2 H:METAL/L:OXIDE OUT
-1/2 H:METAL L:OXIDE OUT 15 14 15 1/2 L:VIDEO EE (DEMOD) OUT (8) -(1/2 L;COMPOSITE DT OUT ) (33) 11 12 2/2 L:VIDEO EE COEMODIOUT (RP-29 (C) . 648-3) AU-76/118,204-288 (AU-75, 203-28A) (DEC-42P,113-6C) AFM-1, 202-27C (BF-28, 540-4) SY-64, 304-2A REW FWD 5 906 —(1/2 H: NOR PB ——O 1-7A TAPE DIRECTION
1-7B H:FIRST SPEED DET 12 906 13 906 11 2 906 3 1C906 TC74HC08F 1/2 7 13 10901 Te 30 T 6 904 T 0.047 Ī 6.905 Ī 6.90% Ī 8.88 905 10x 10x 10x -(1/2 +5V METAL -5V DX DE 31) R915 ≢ BVW - 65P BVW - 70P BVW - 75P R912 16-15(b) 16-16 (b) В С

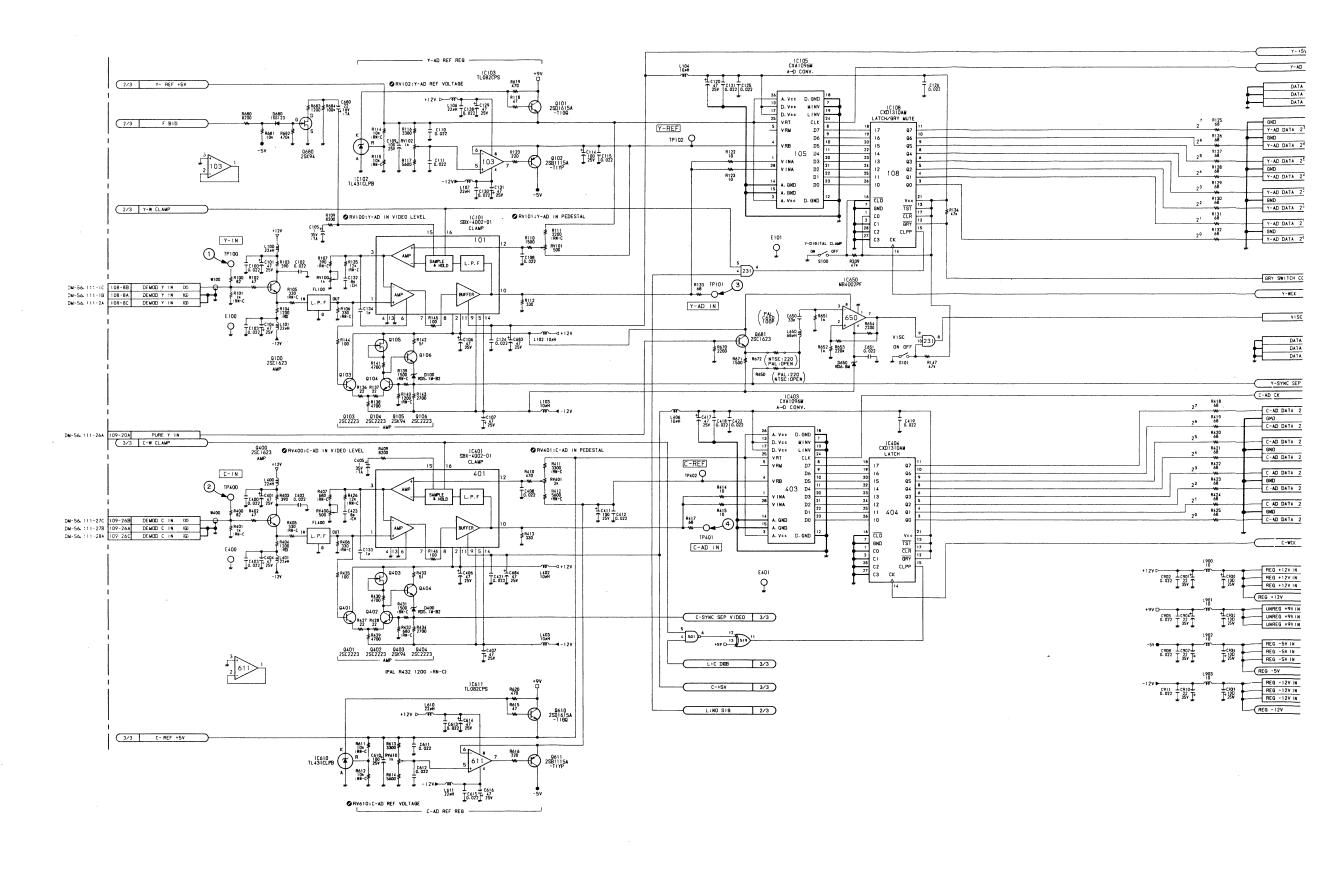






TBC-7P (1/3); A/D CONVERTER

S/N 10061 through 10191

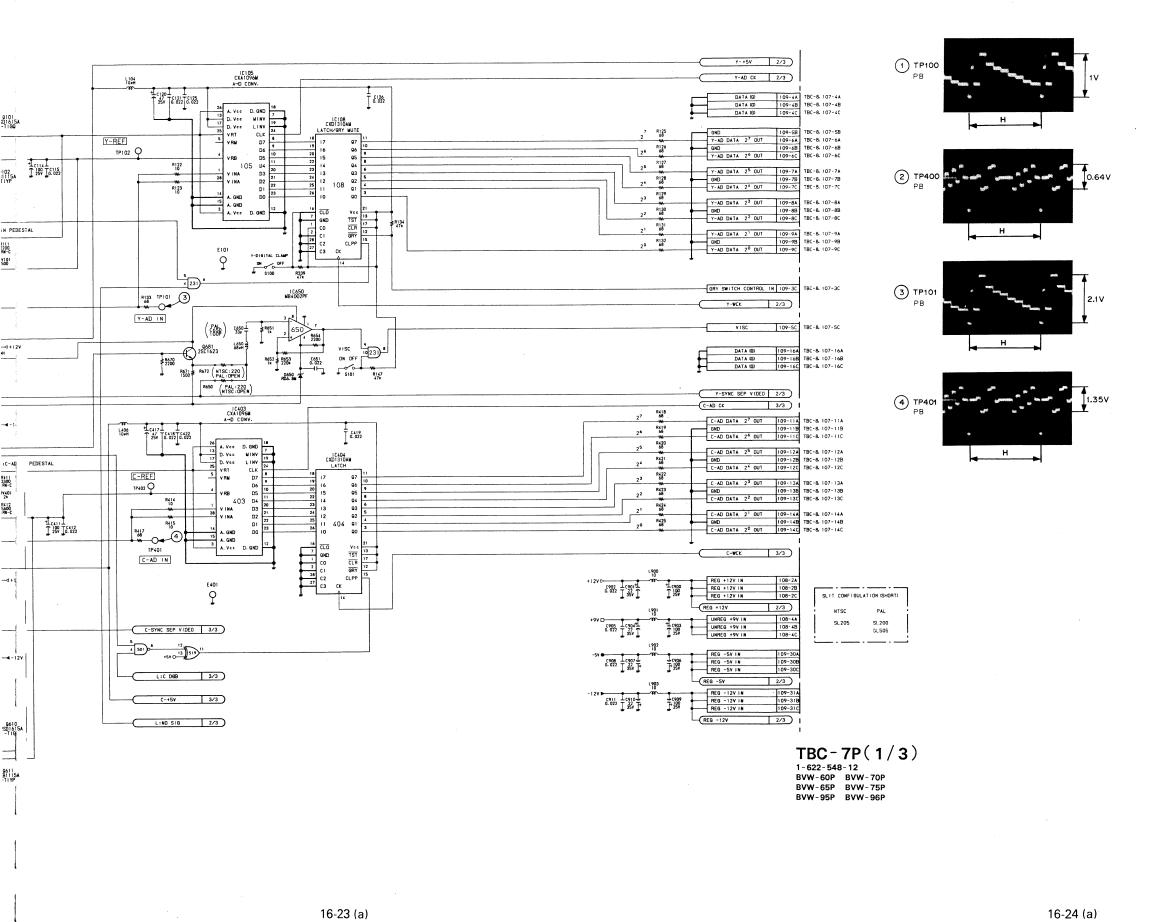


16-22 (a)

D

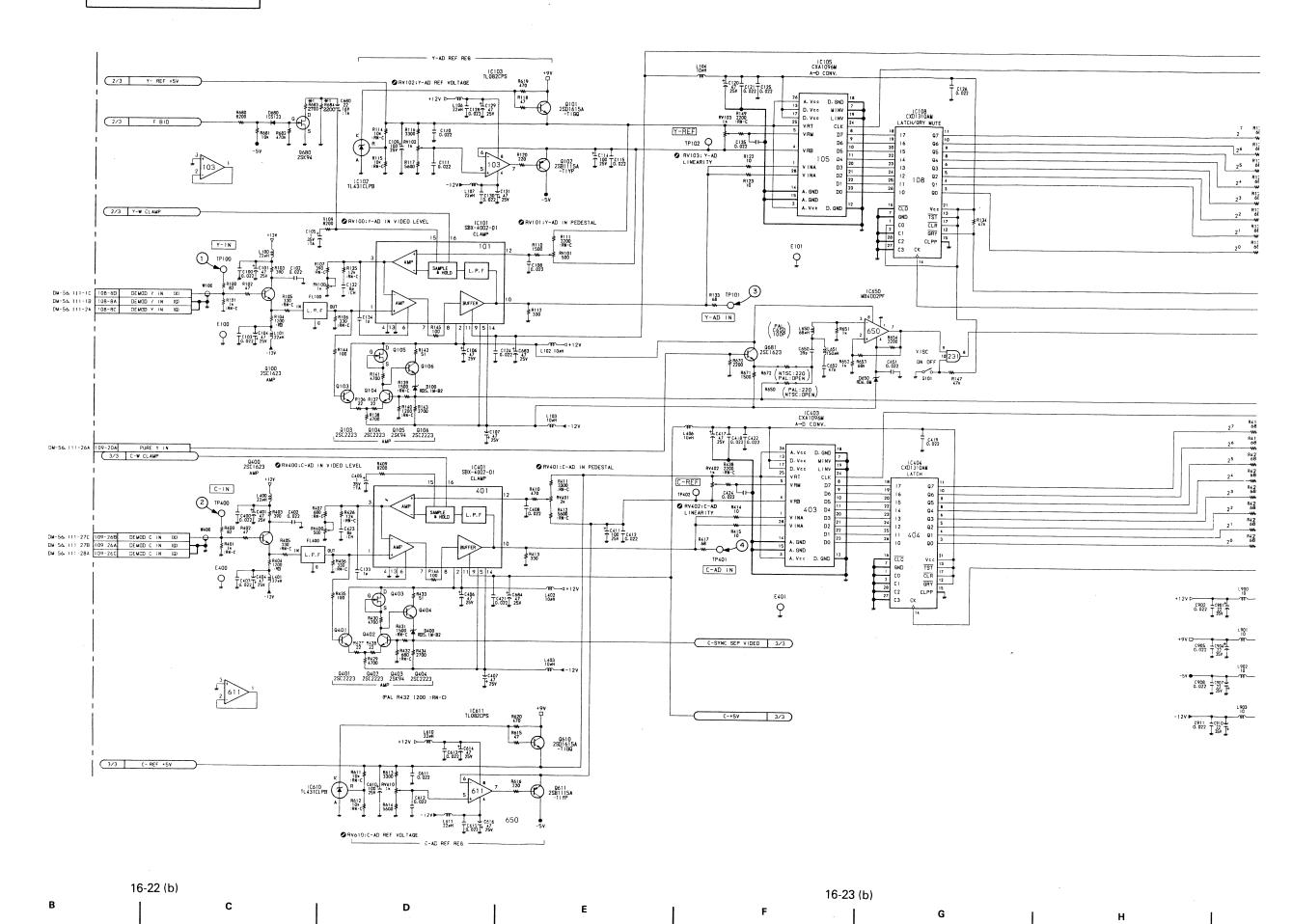
16-23 (a)

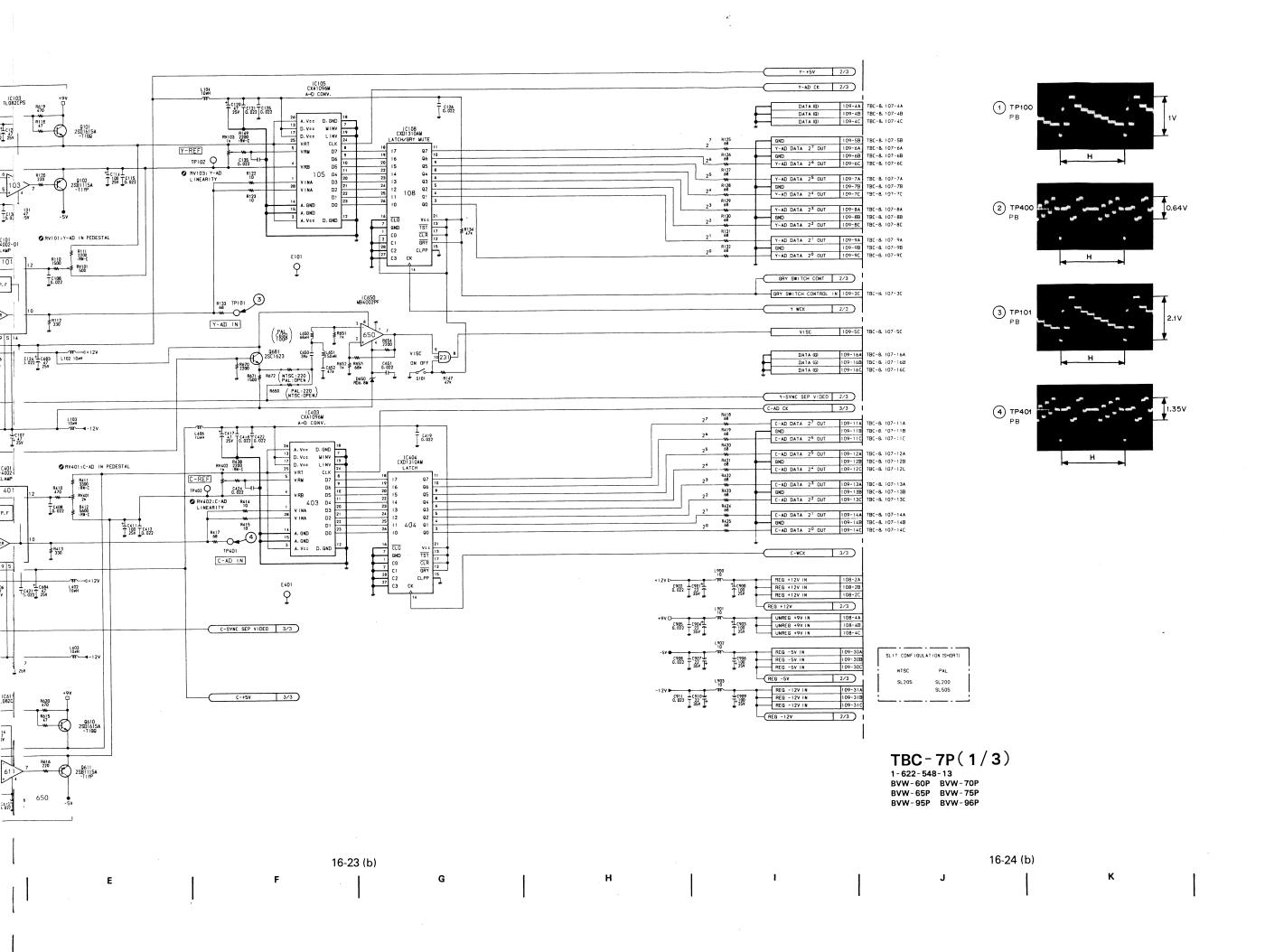
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TBC-7P (1/3); A/D CONVERTER

S/N 10192 through 10769





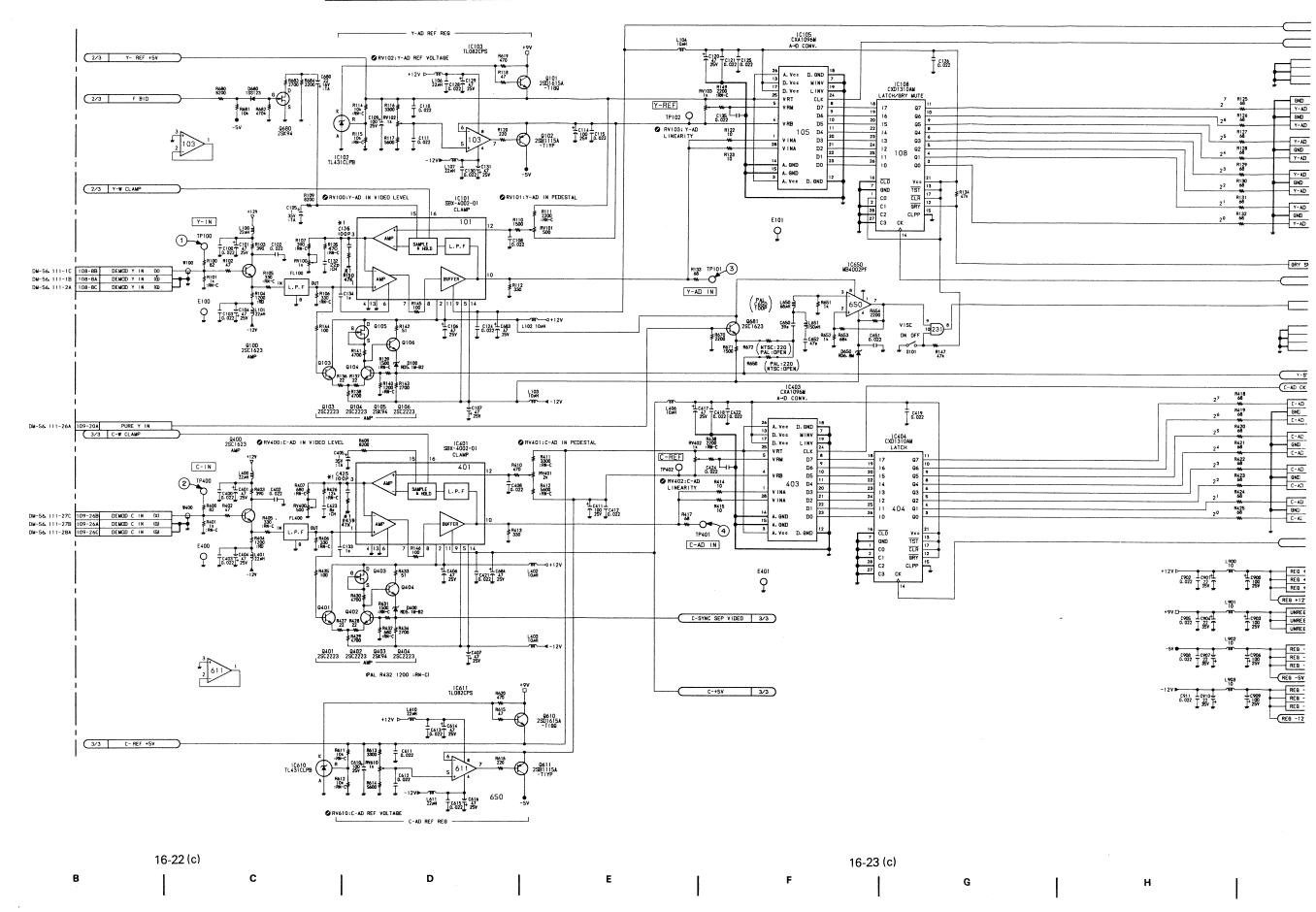
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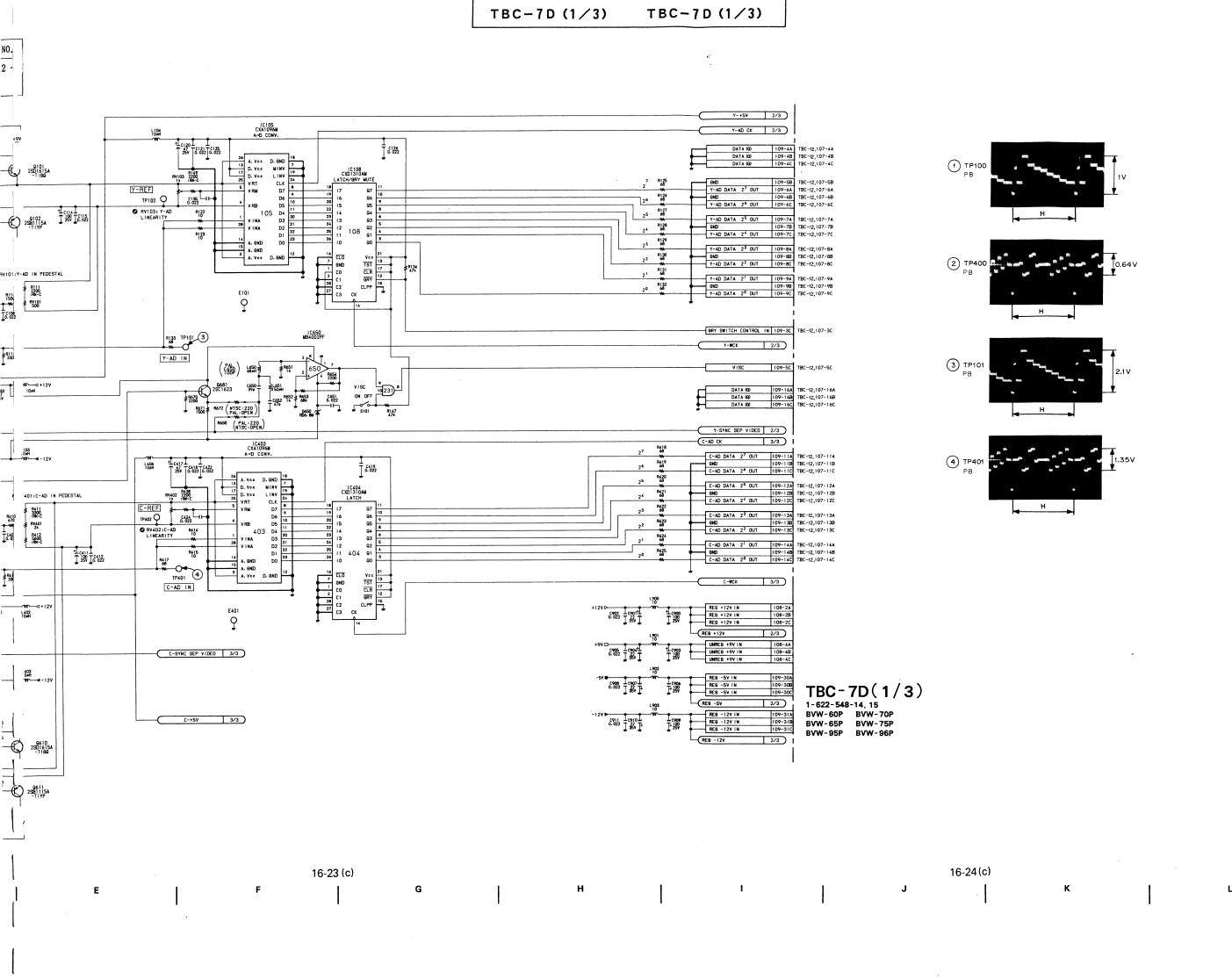
TBC-7D (1/3); A/D CONVERTER

S/N 10770 and higher

MARK CHANGE INFORMATION SERIAL NO.

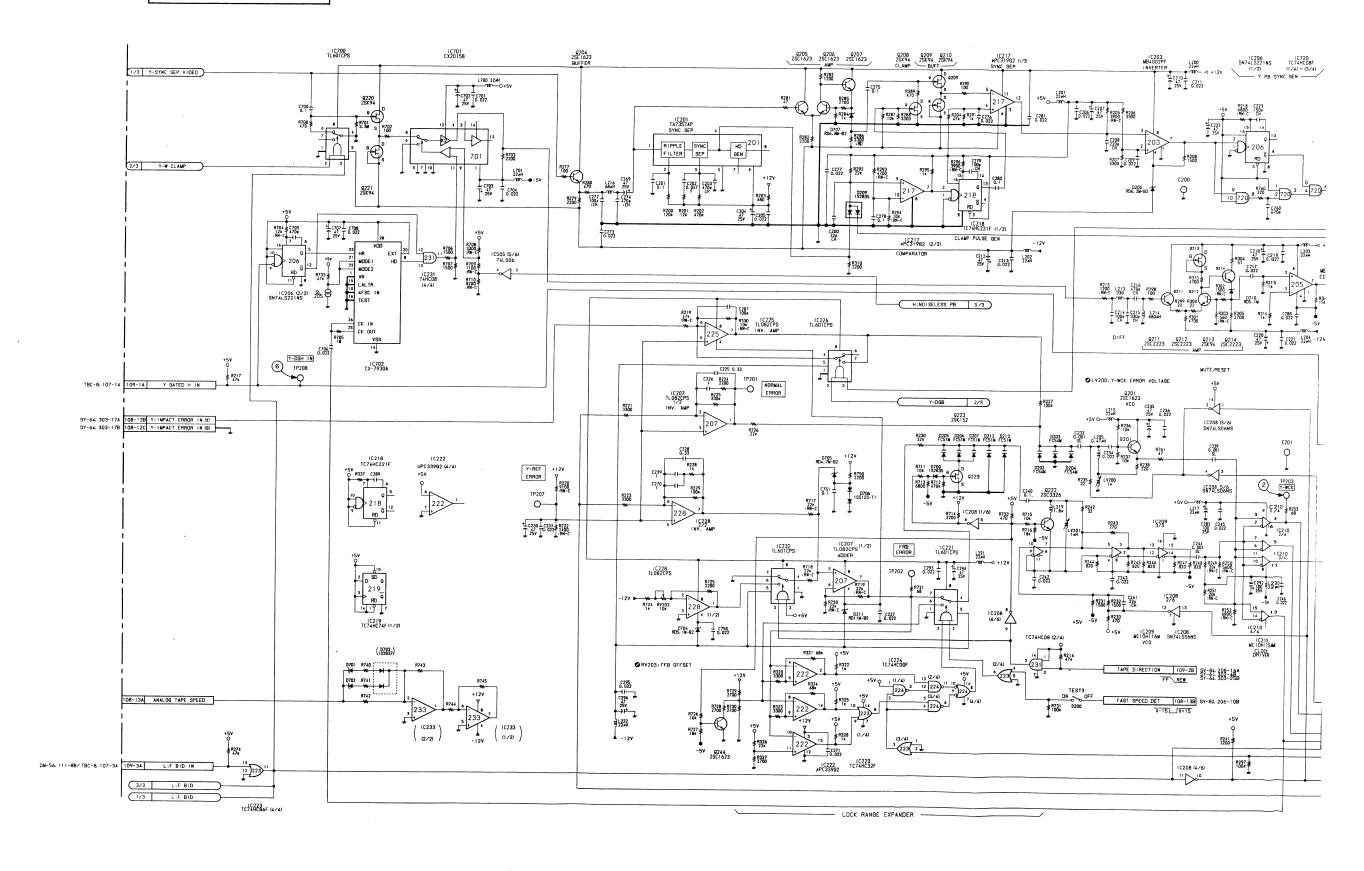
\*1 ADDED C136, C425, R150 S/N 12112 ~
R439





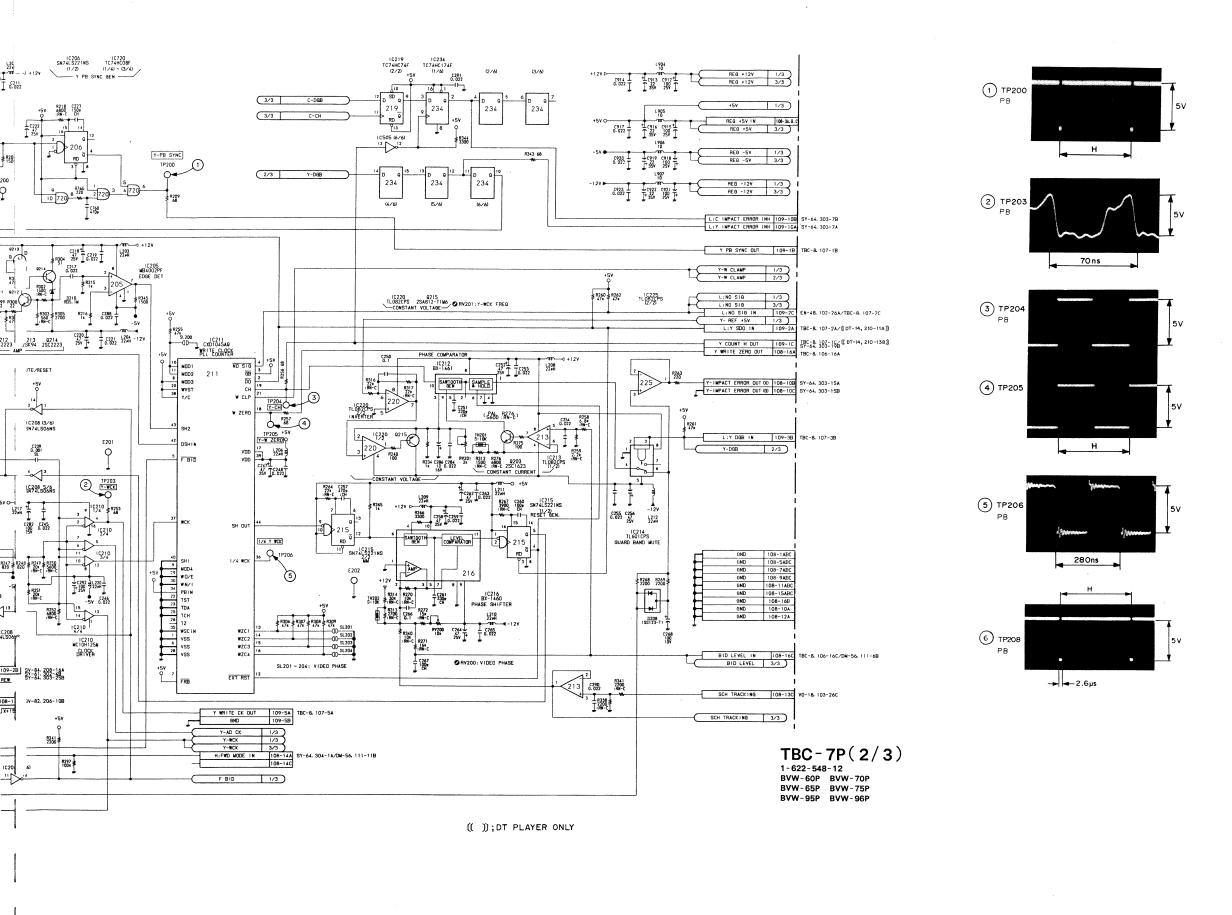
TBC-7P (2/3); Y WRITE CLOCK GENERATOR

S/N 10061 through 10191



16-29 (a)

16-30 (a)

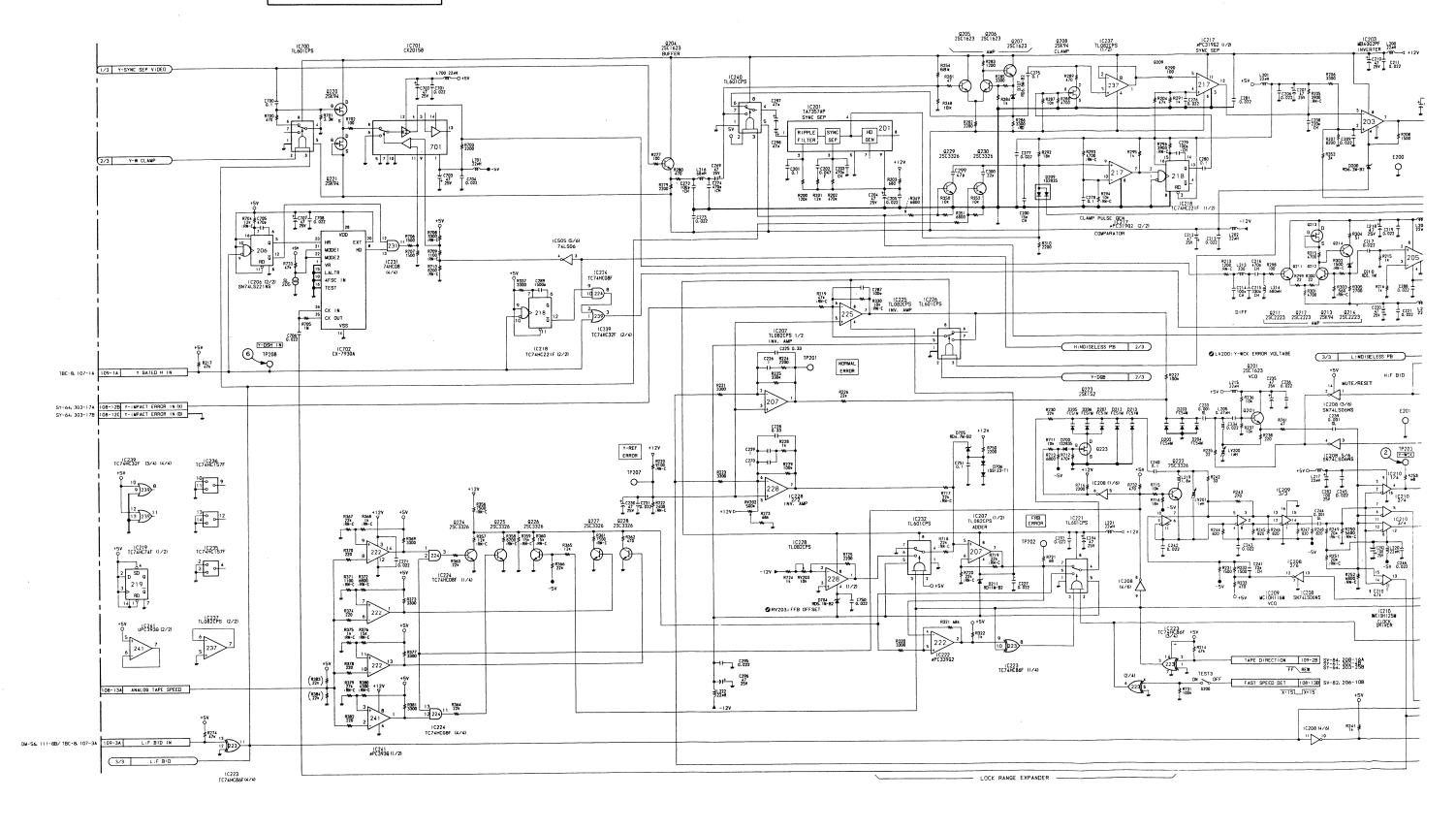


16-32 (a)

16-31 (a)

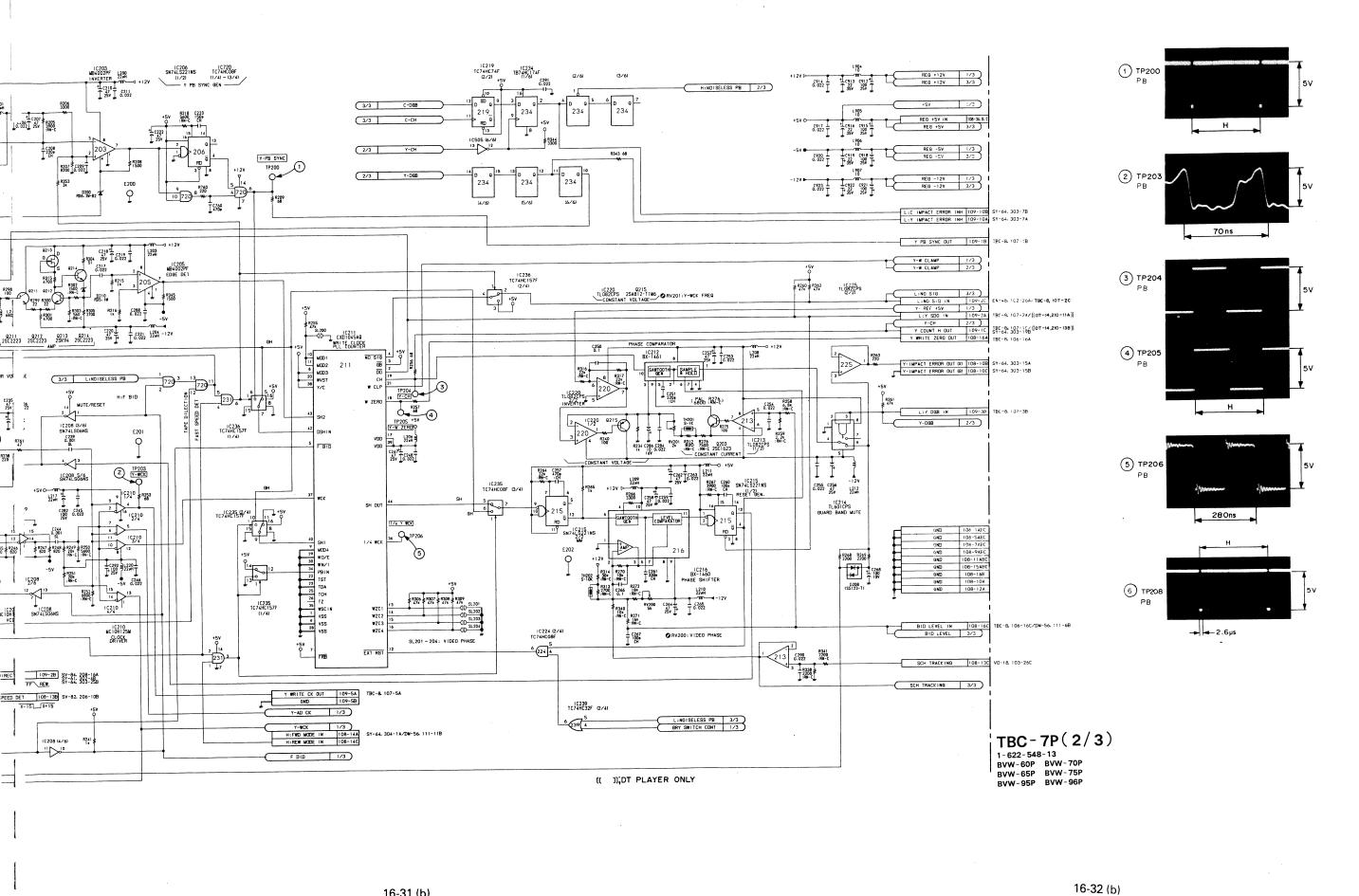
TBC-7P (2/3); Y WRITE CLOCK GENERATOR

S/N 10192 through 10769



16-29 (b)

16-30 (b)

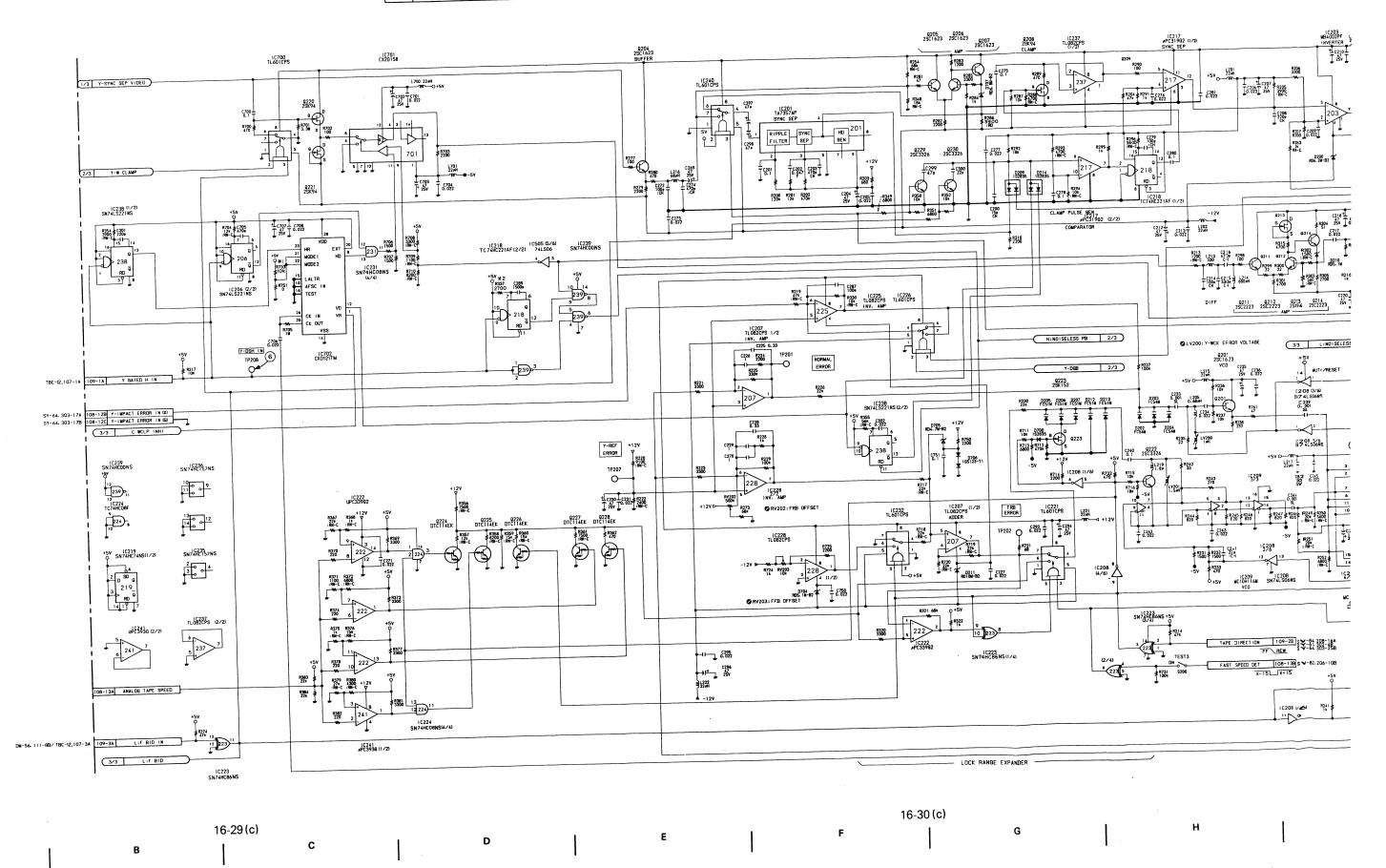


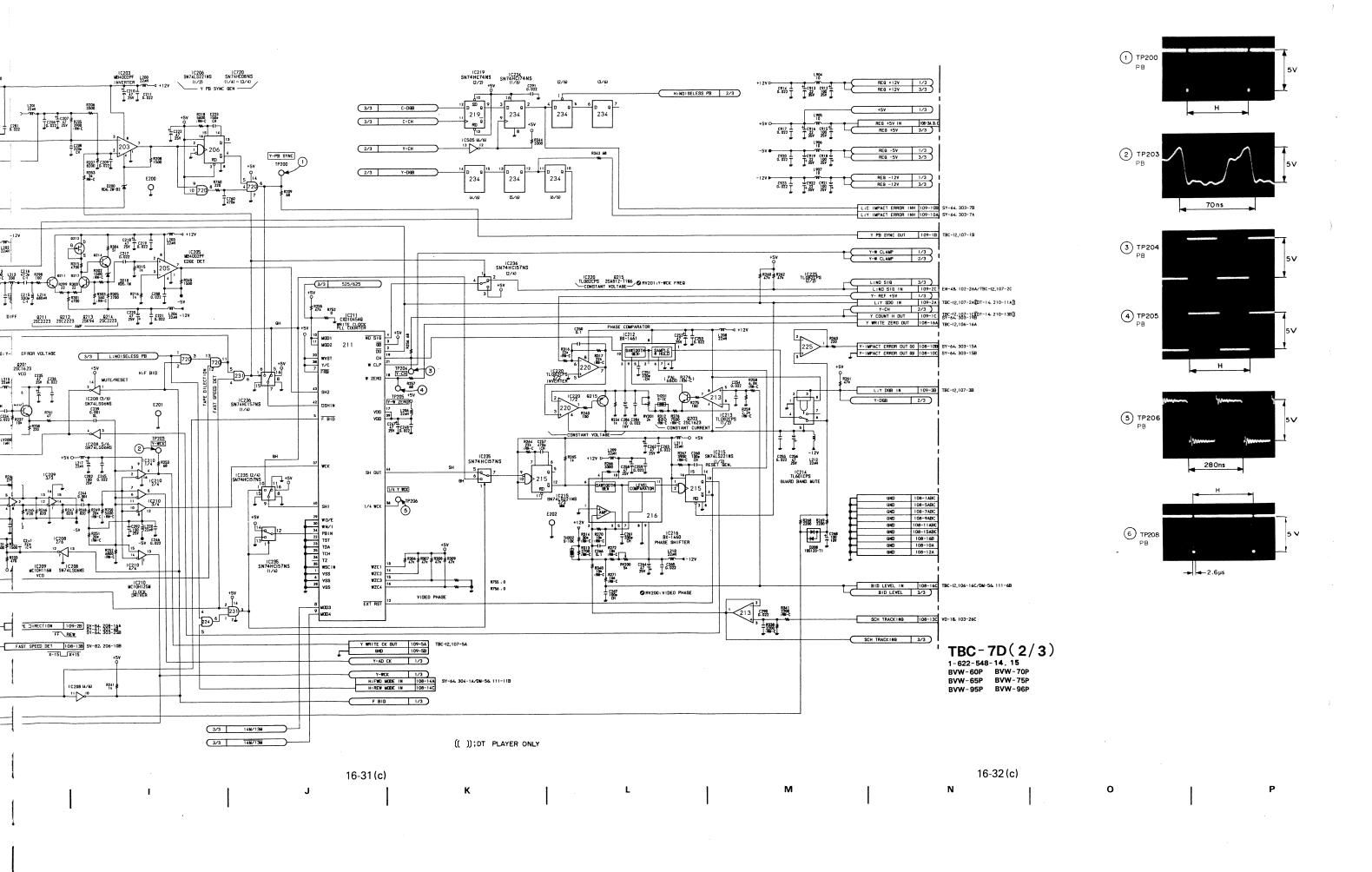
16-31 (b)

TBC-7D(2/3) TBC-7D(2/3)

TBC-7D (2/3); Y WRITE CLOCK GENERATOR

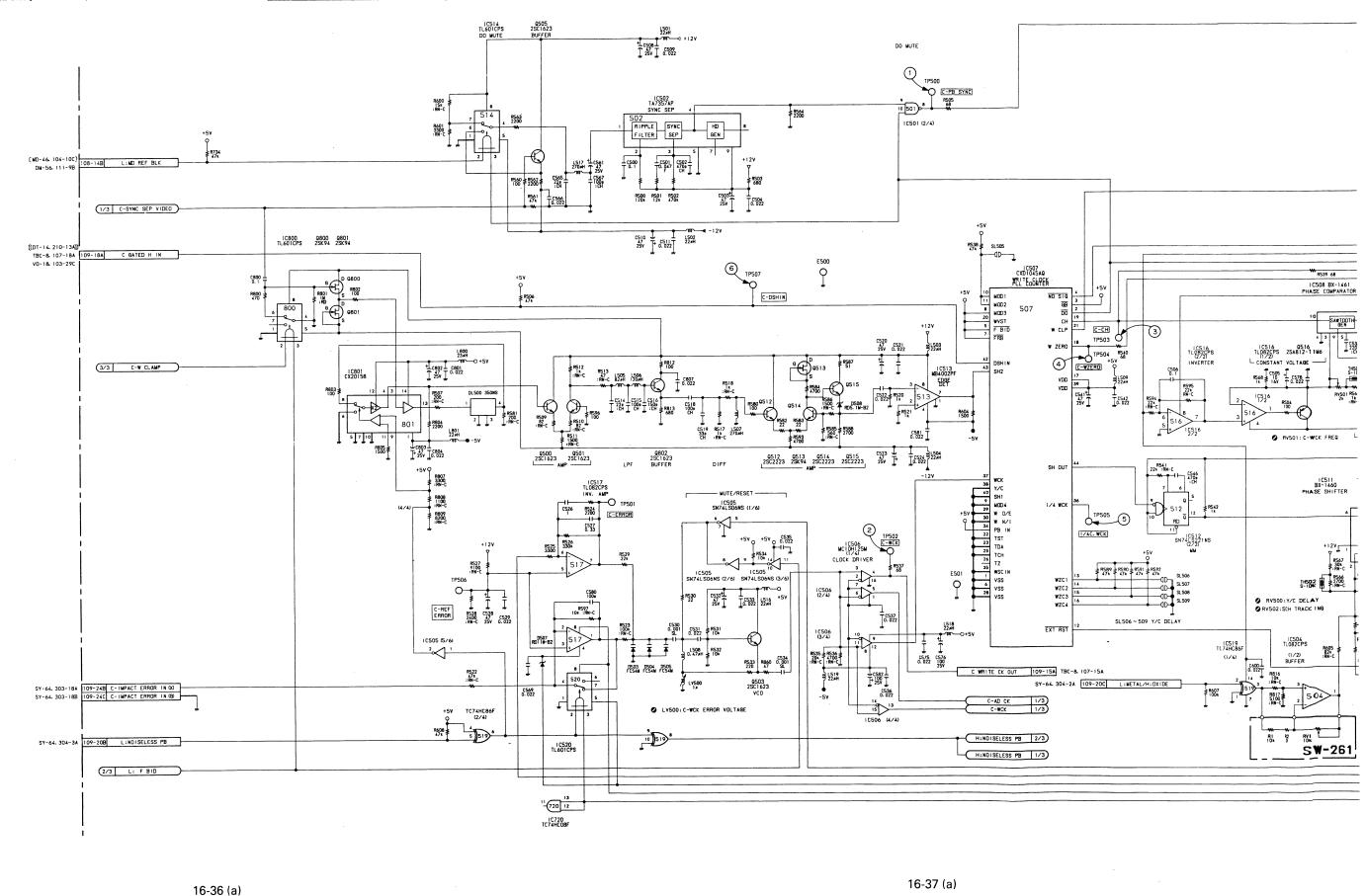
S/N 10770 and higher

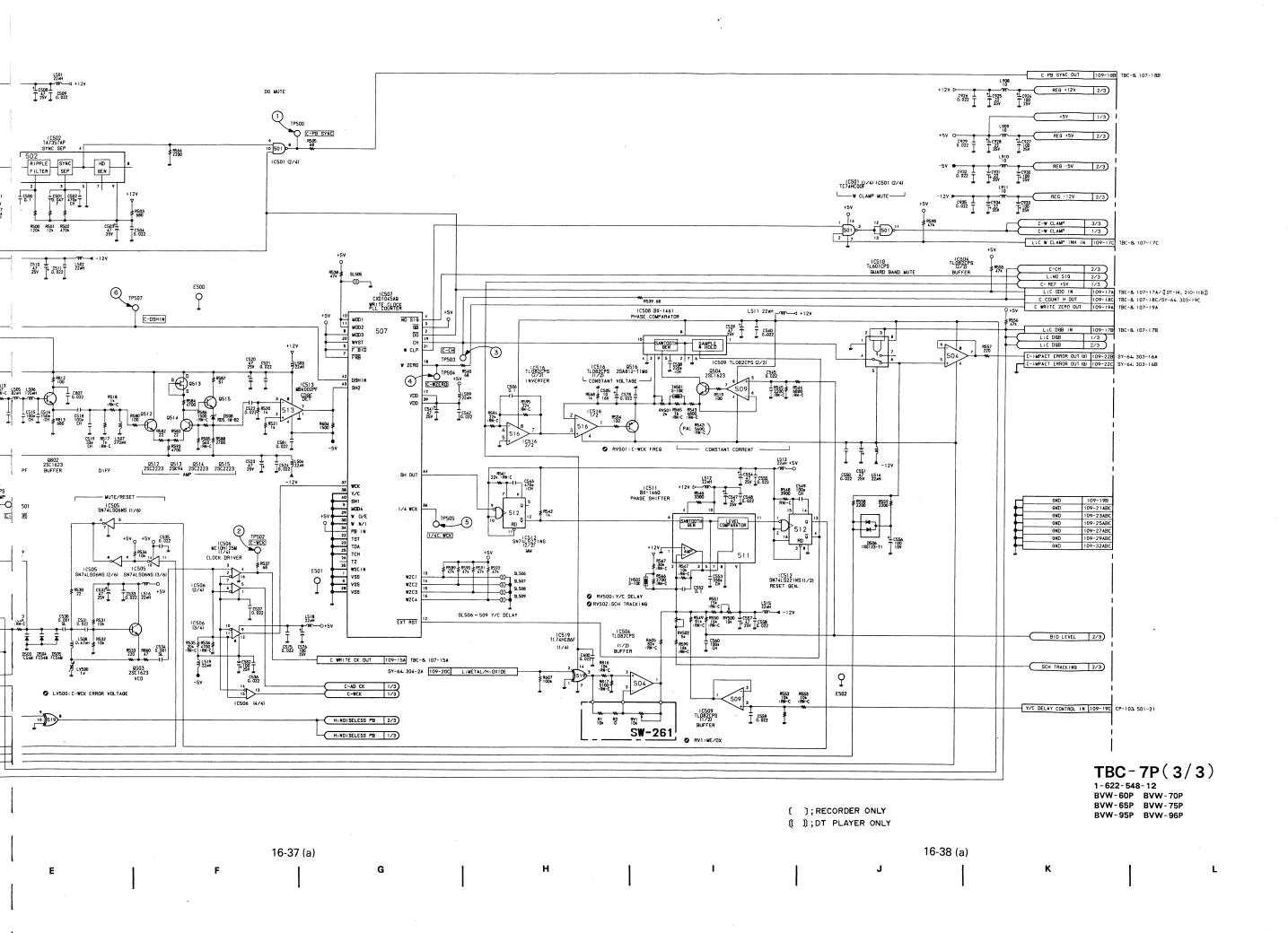




TBC-7P (3/3); C WRITE CLOCK GENERATOR SW-261; METAL/OXIDE Y/C DELAY ADJUST VOLUME

S/N 10061 through 10191

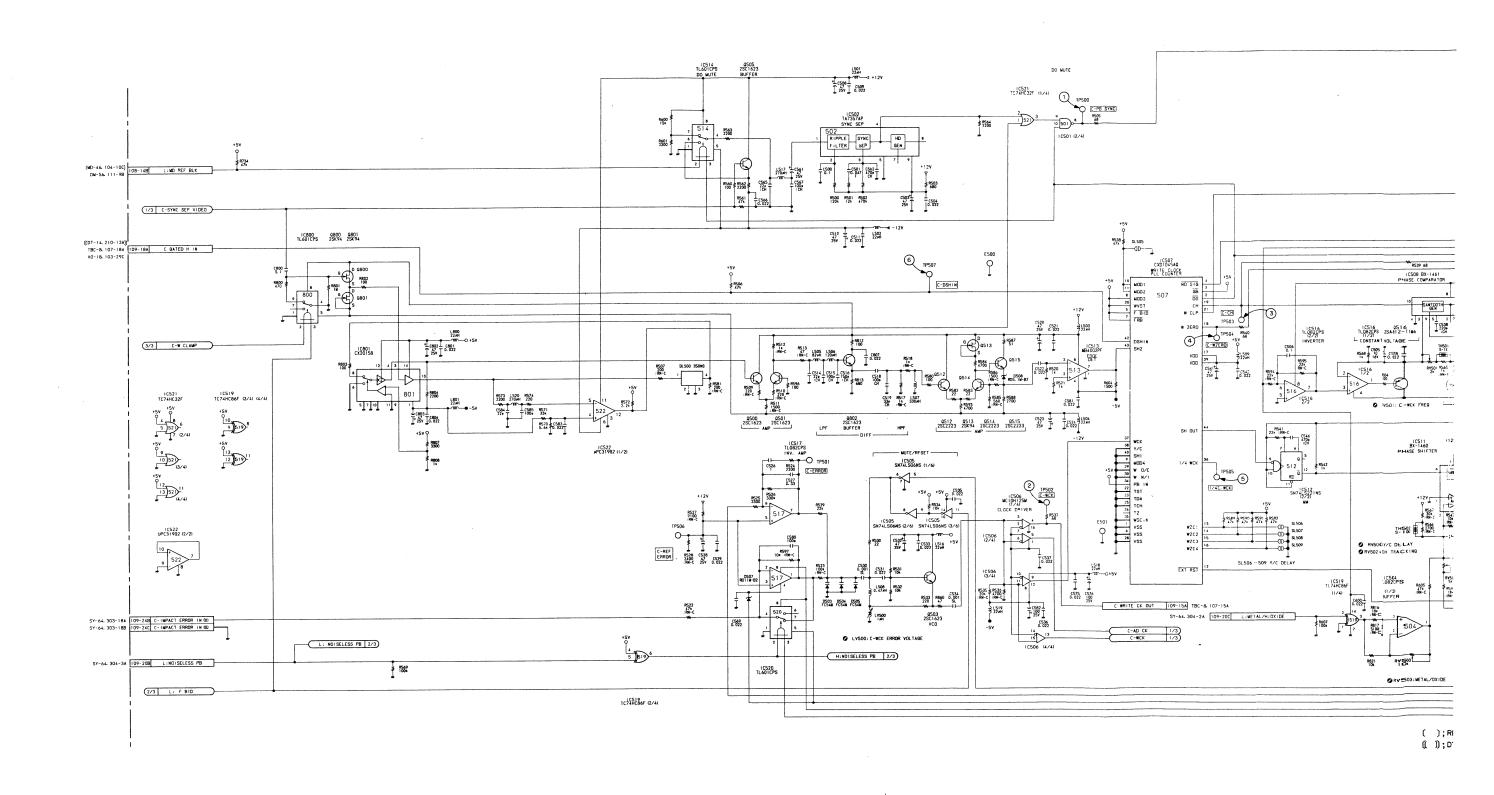




TBC-7

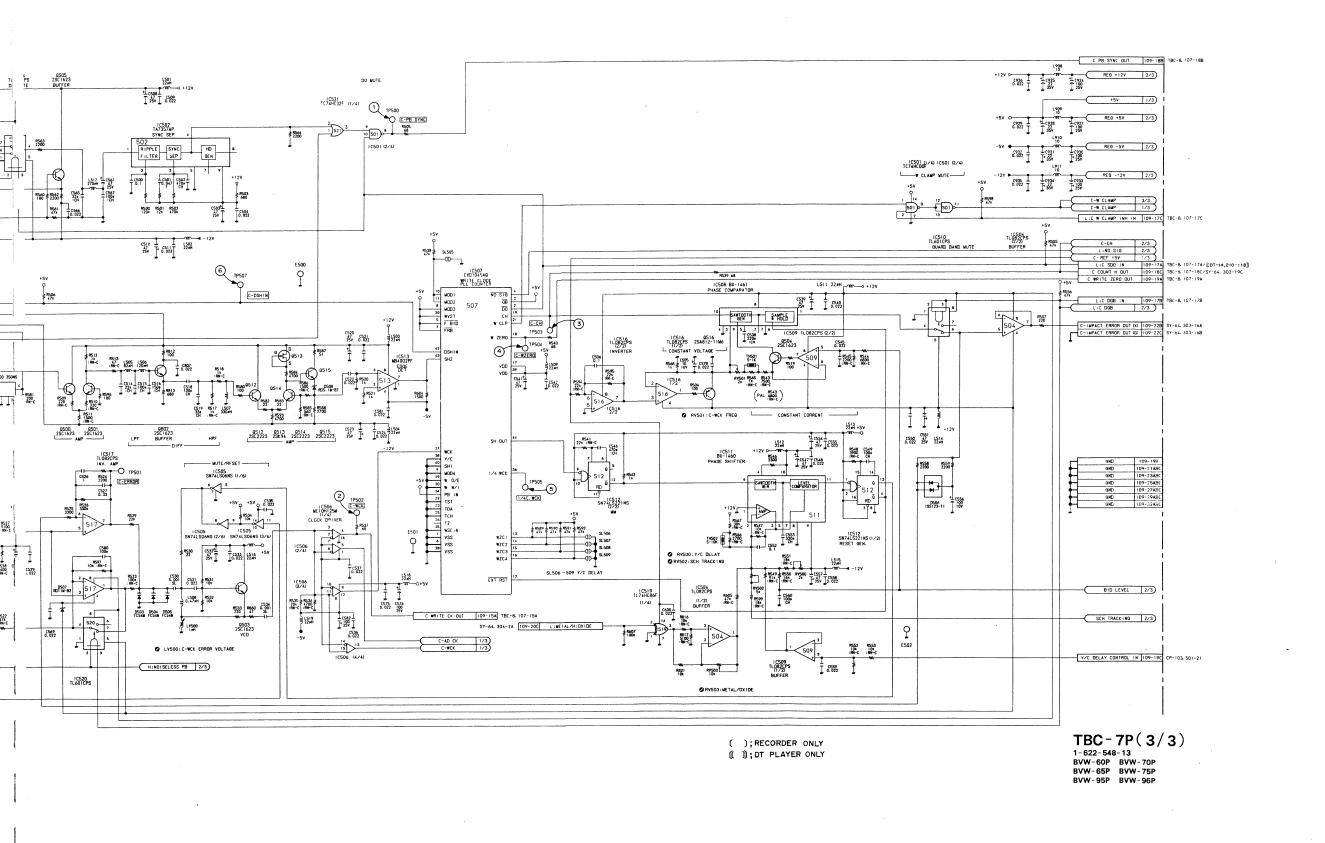
TBC-7P (3/3); C WRITE CLOCK GENERATOR

S/N 10192 through 10769



16-36 (b)

С р Е F G H

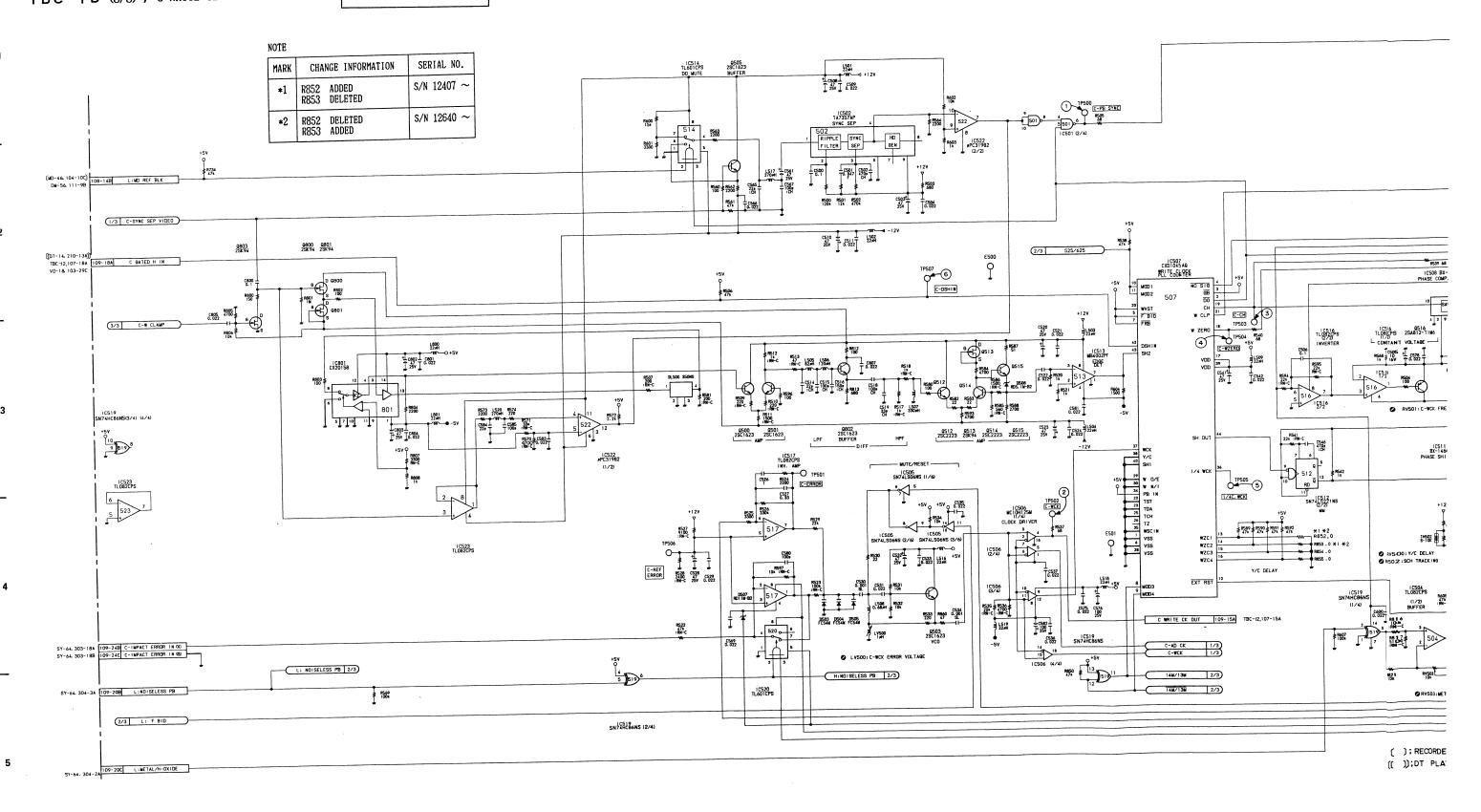


16-37 (b)

G H I J K Κ

TBC-7D (3/3); C WRITE CLOCK GENERATOR

S/N 10770 and higher



16-36 (c)

C

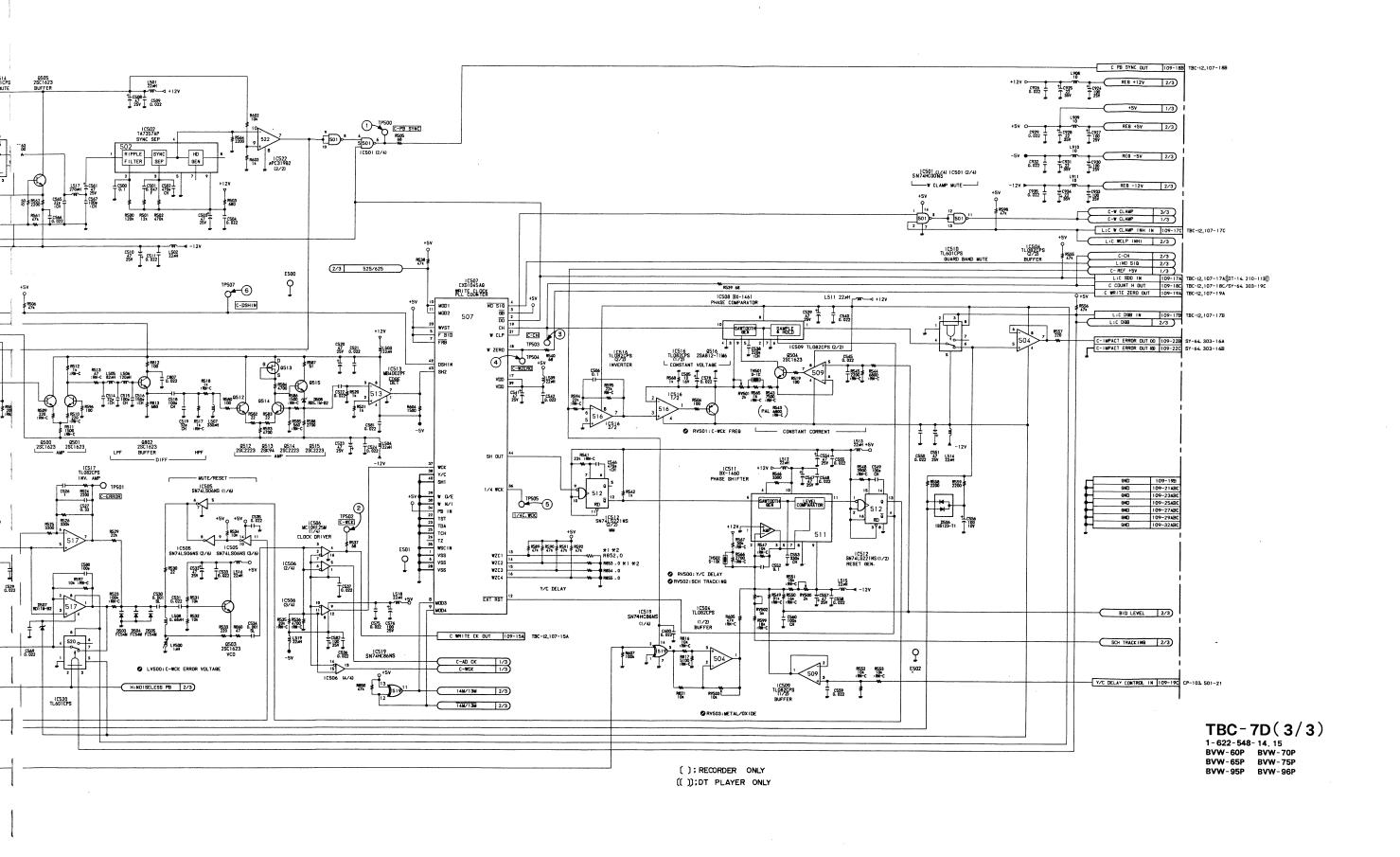
B

E

F

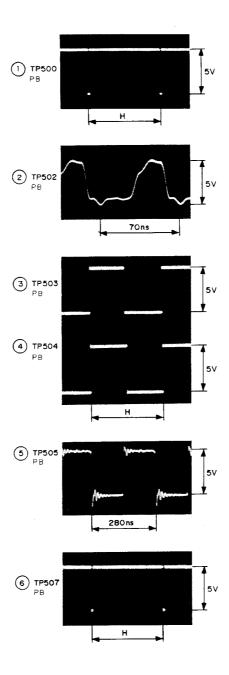
G

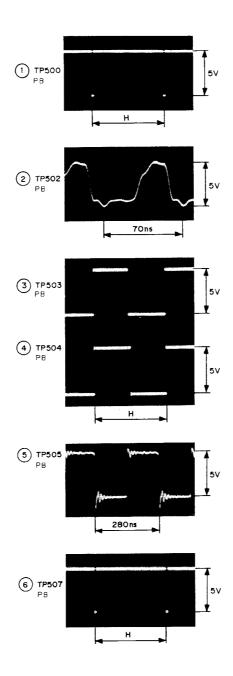
H

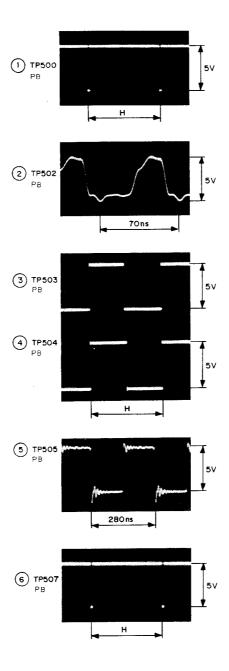


16-37 (c)

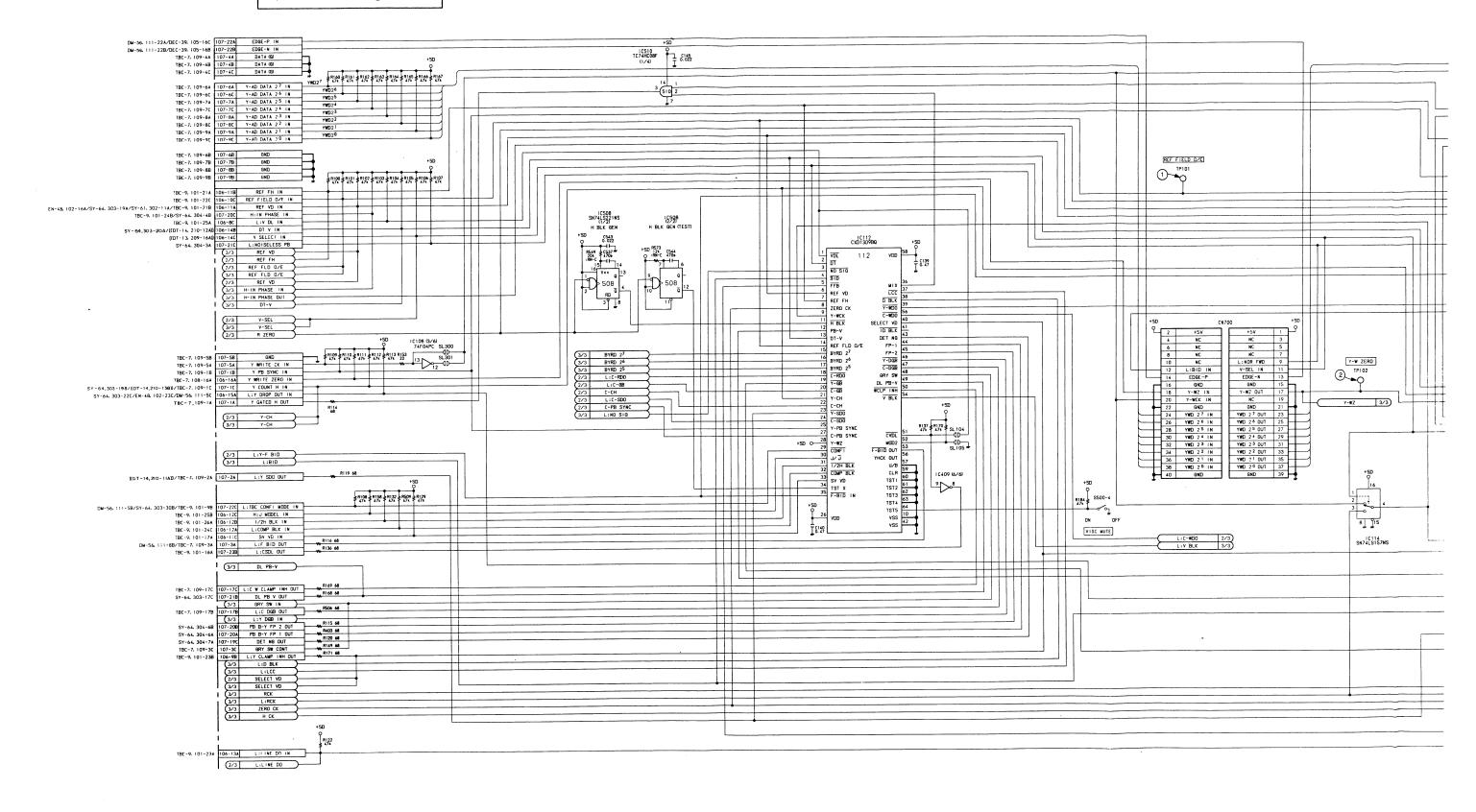
16-38(c)







S/N 10061 through 10416



16-43 (a)

C

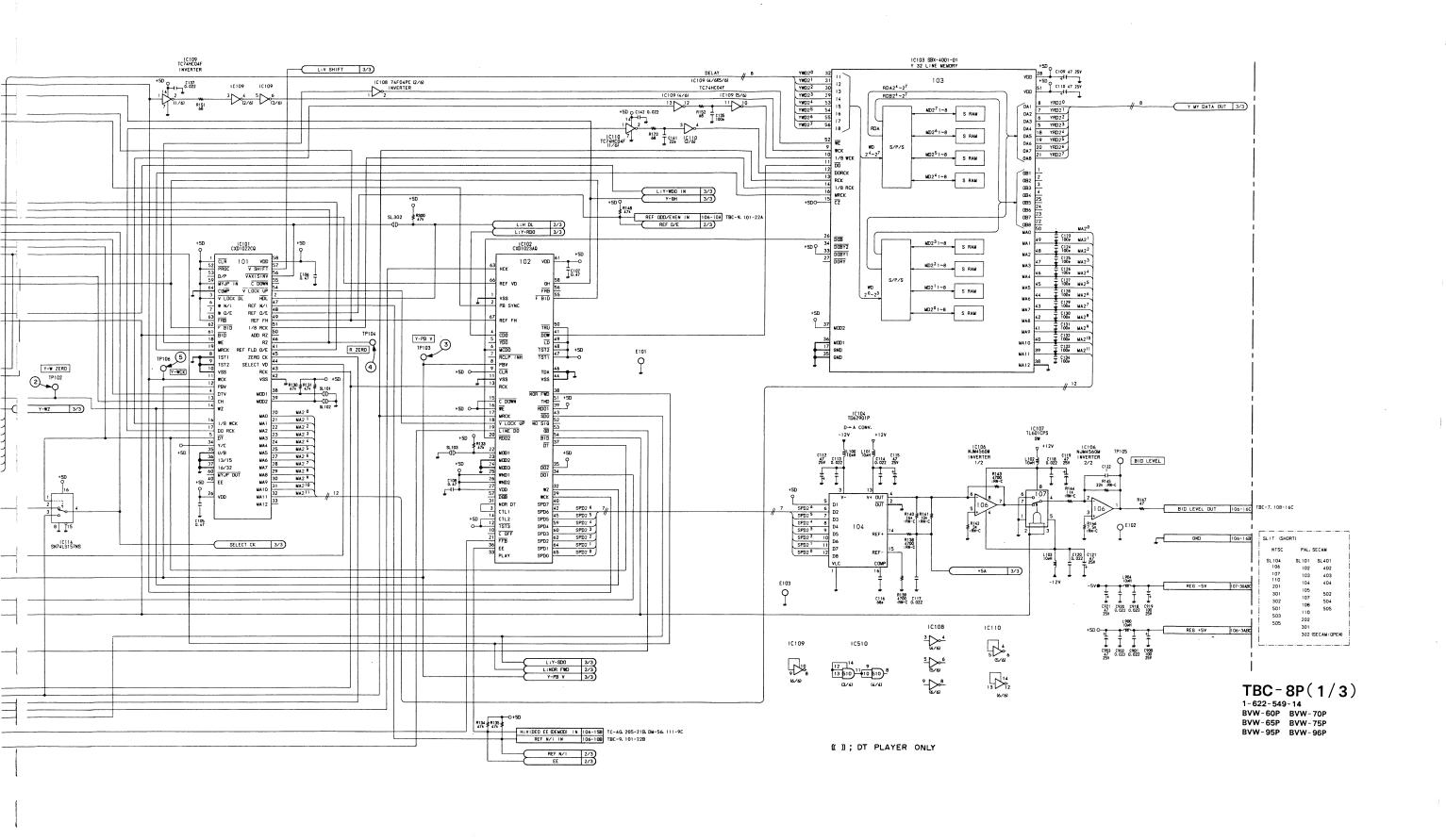
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16-45 (a)

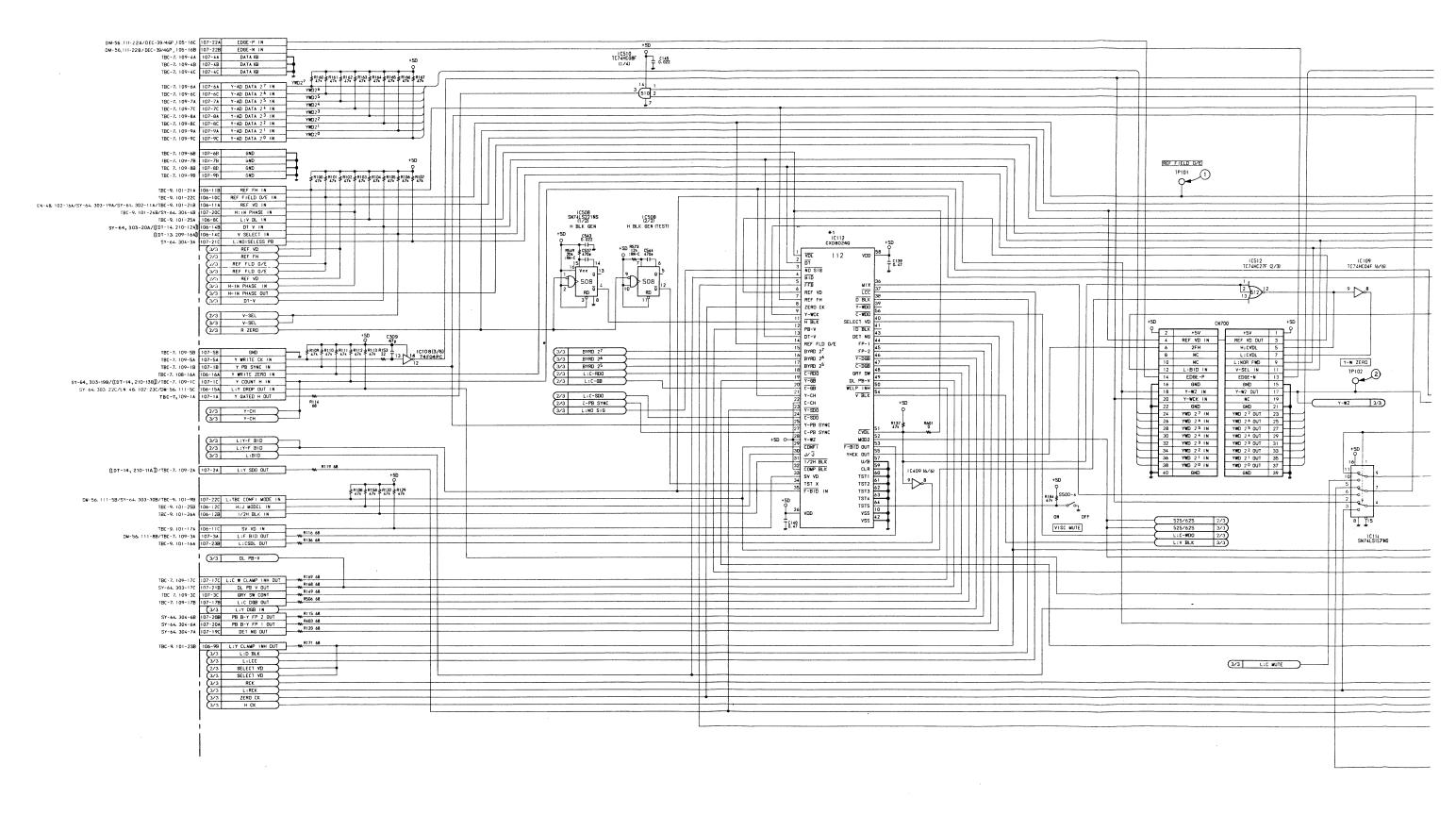
K

N

N

S/N 10417 through 10769

16-43 (b)

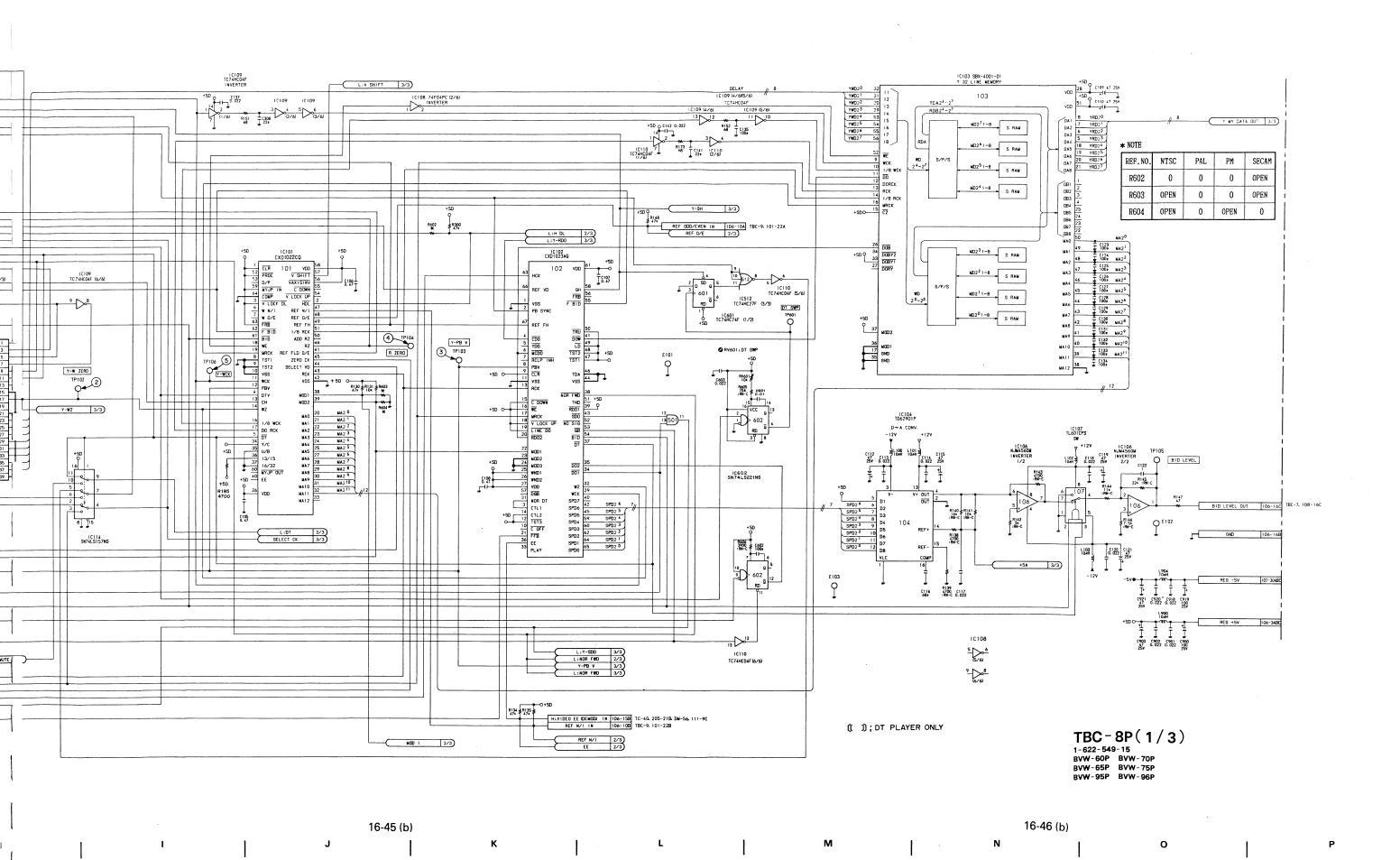


E

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16-44 (b)

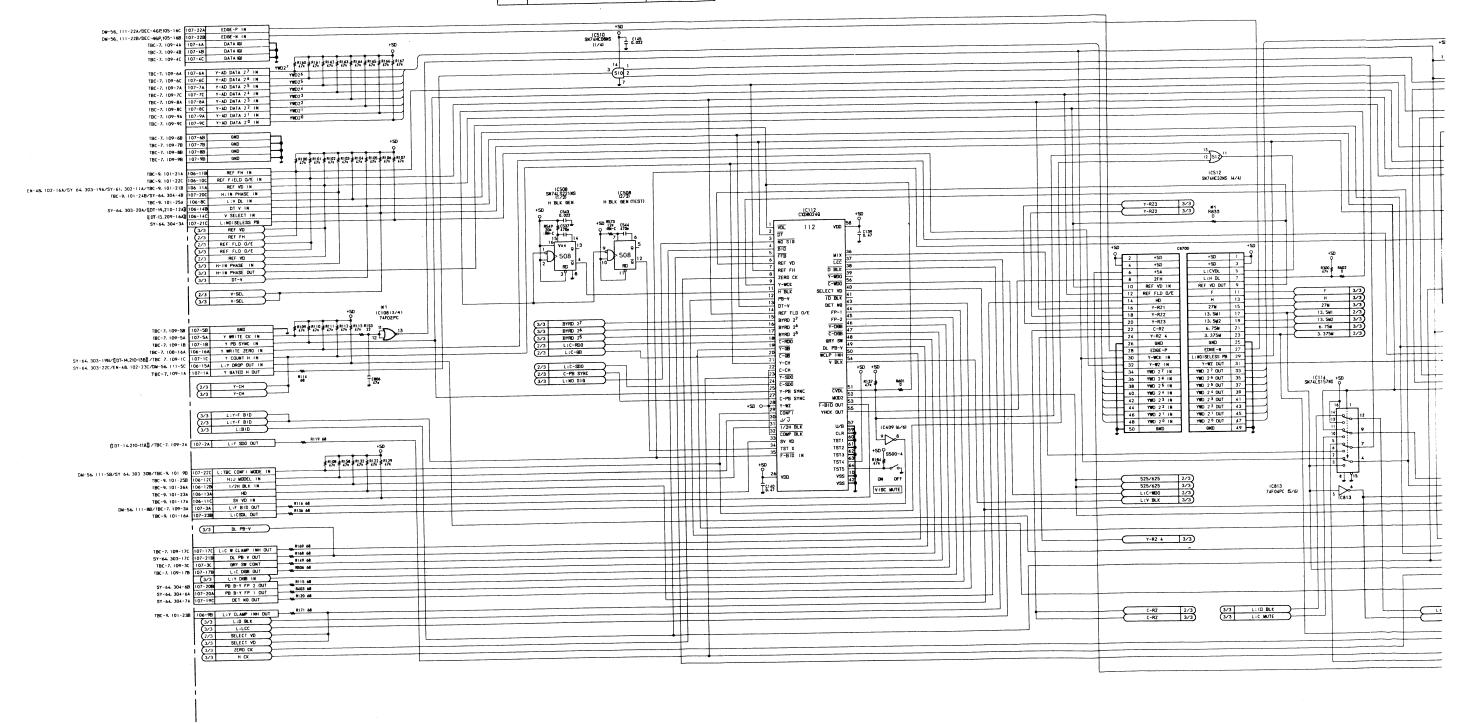
Agging the property of the second



TBC-12P (1/3); Y MAIN MEMORY

S/N 10713 and higher

NOTE SERIAL NO. MARK CHANGE INFORMATION S/N 12177 ∼ ADDED C136, R154, R831 R833 CHANGED IC103 SBX4001-01 → SBX1596-01 IC108 74F04PC → 74F02PC

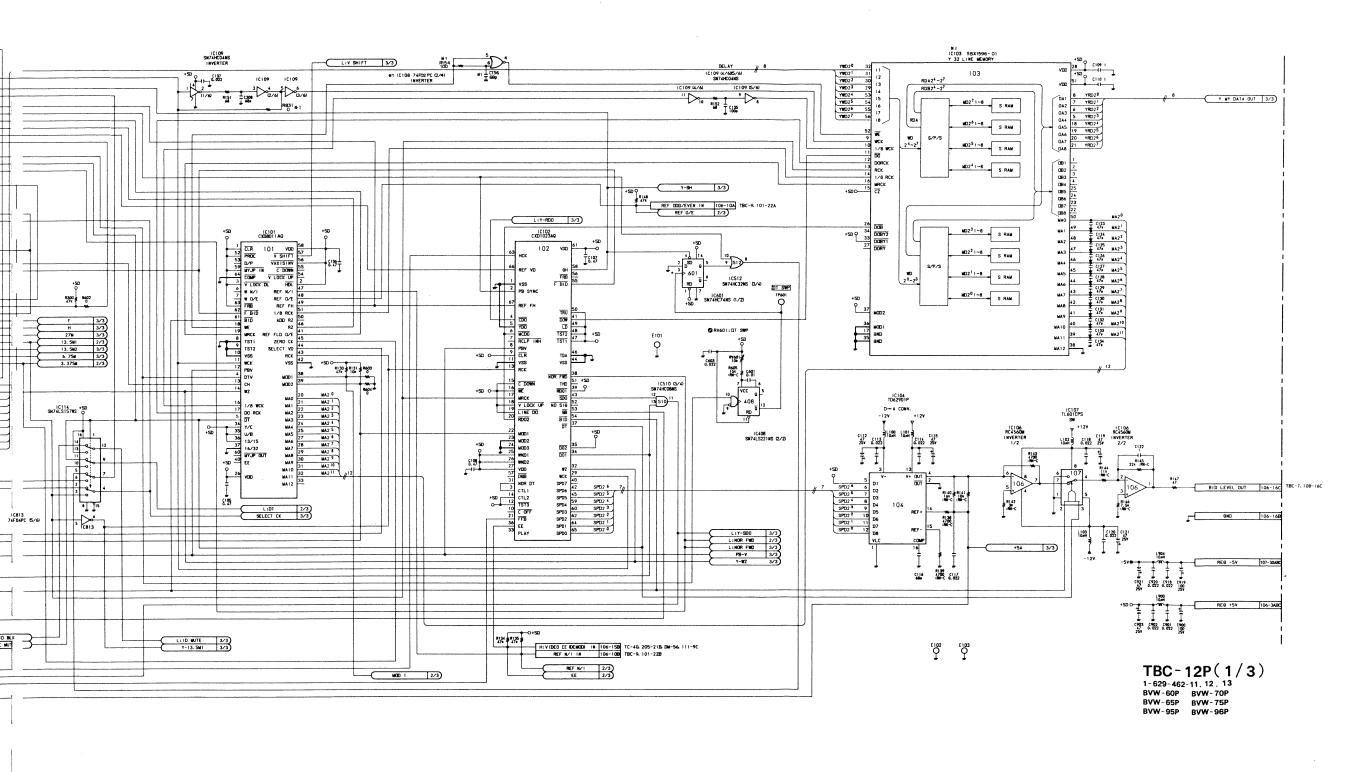


16-43(c)

16-44(c)

Н

С



(( )); DT PLAYER ONLY

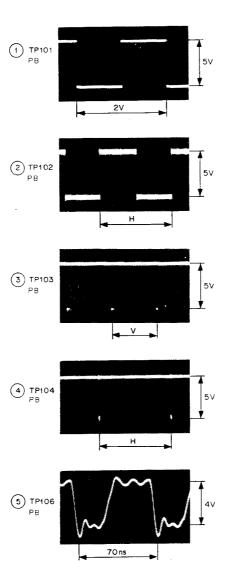
16-45(c)

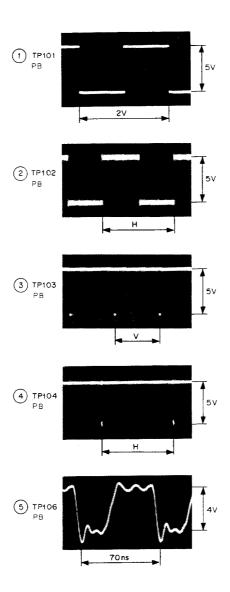
16-46(c)

N

O

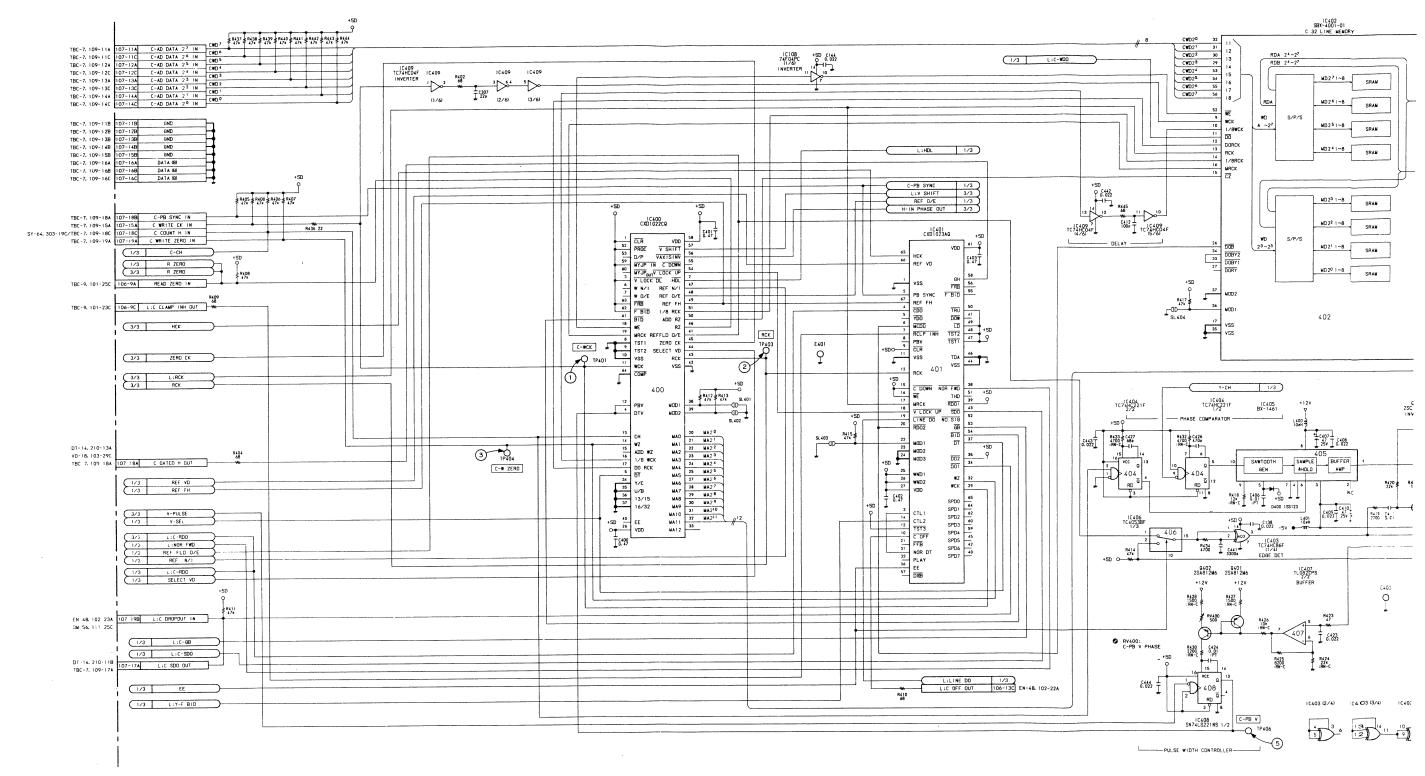
P





TBC-8P (2/3); C MAIN MEMORY

S/N 10061 through 10416



[ ]; DT PLAYER ONLY

16-50 (a)

C

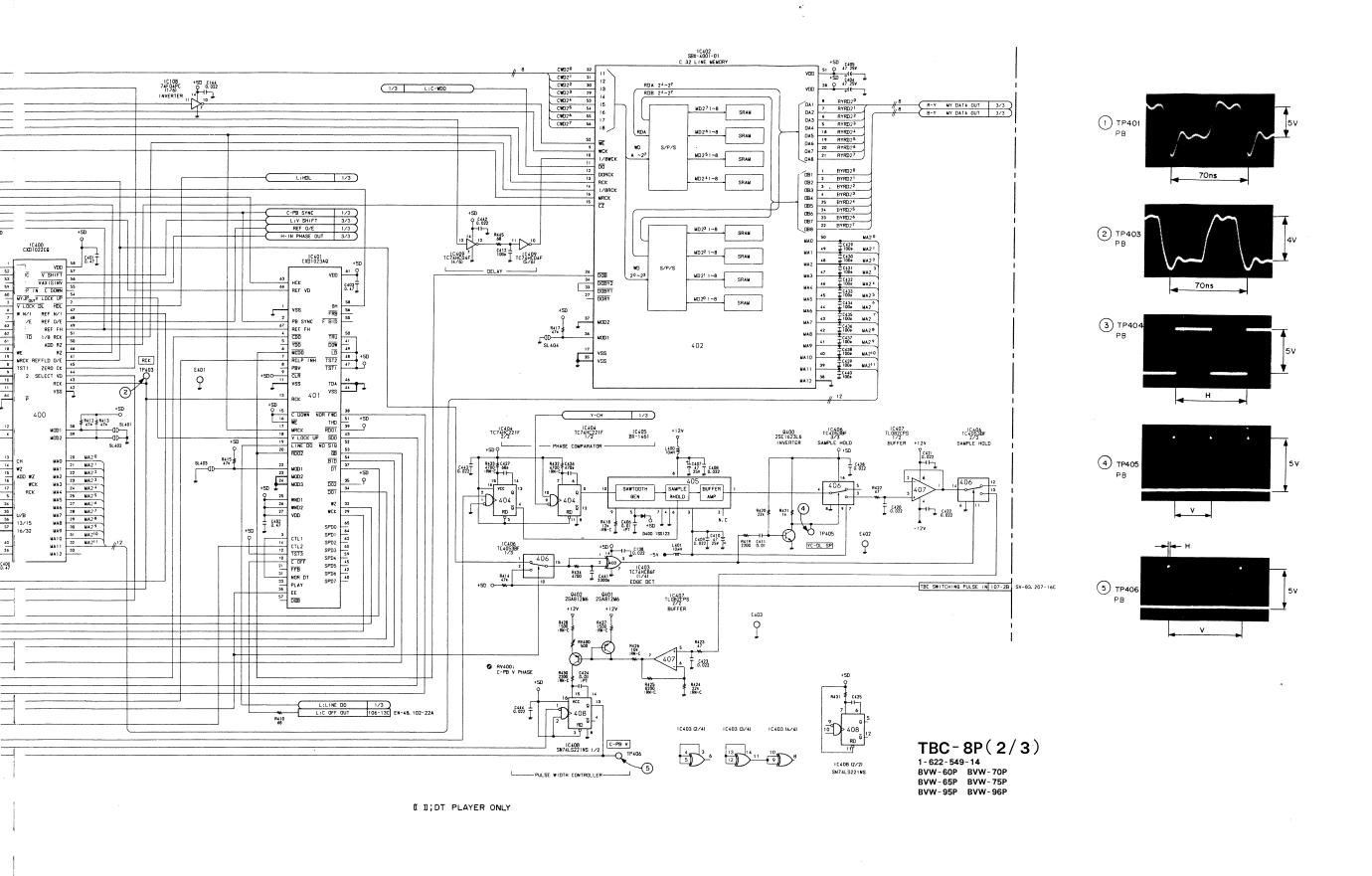
D

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G

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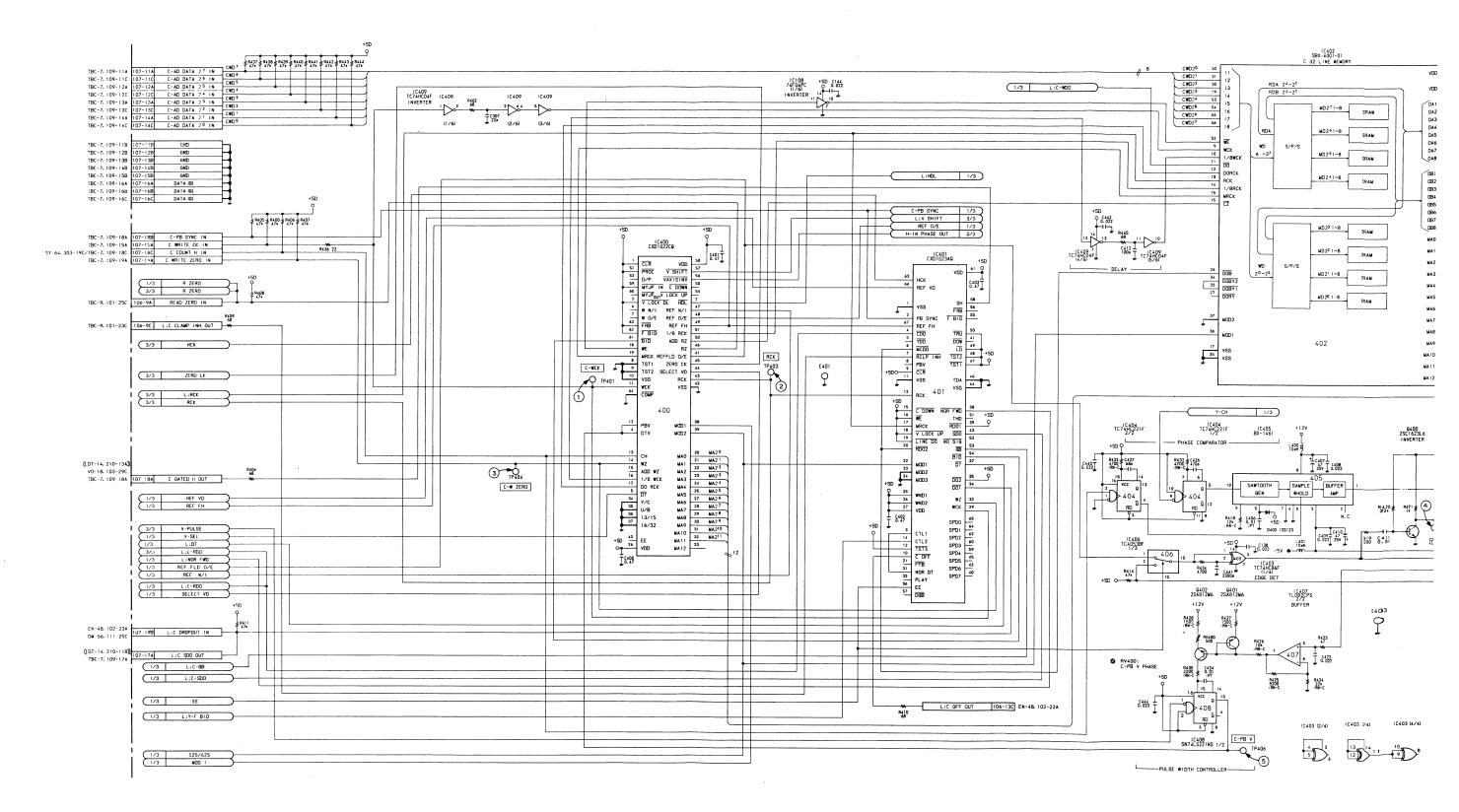
16-51 (a)

G
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J

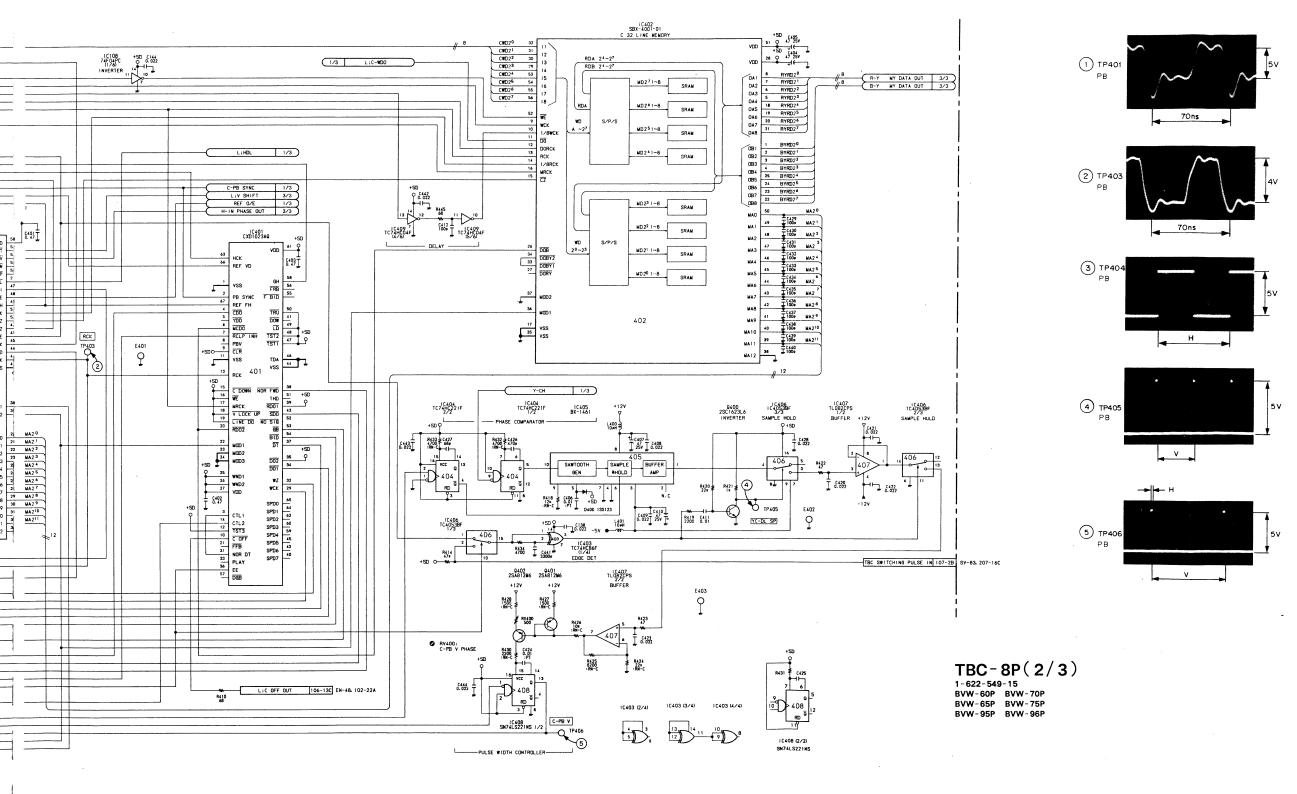
K

TBC-8P (2/3); C MAIN MEMORY

S/N 10417 through 10769



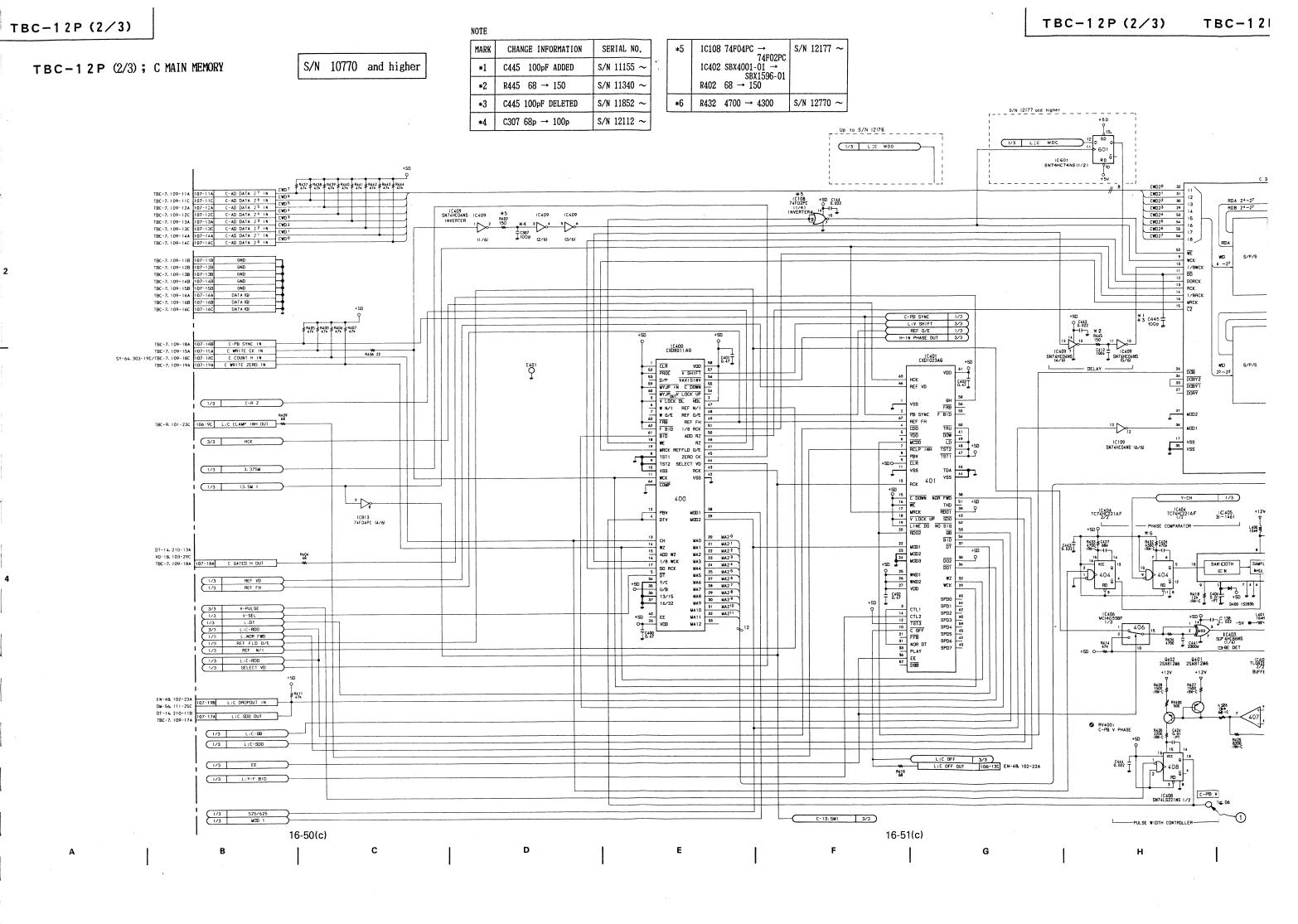
( ); DT PLAYER ONLY

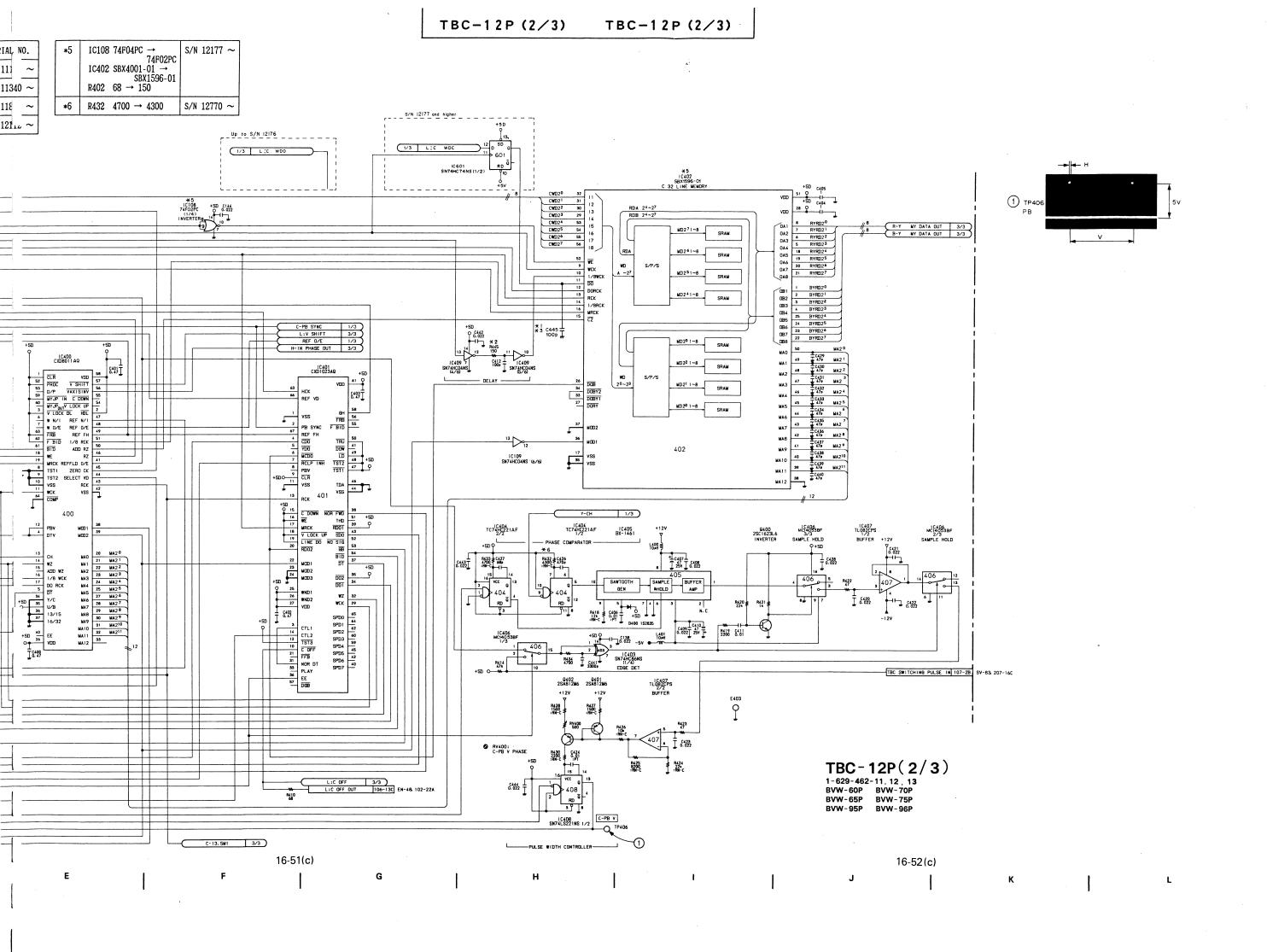


( ); DT PLAYER ONLY

16-51 (b)

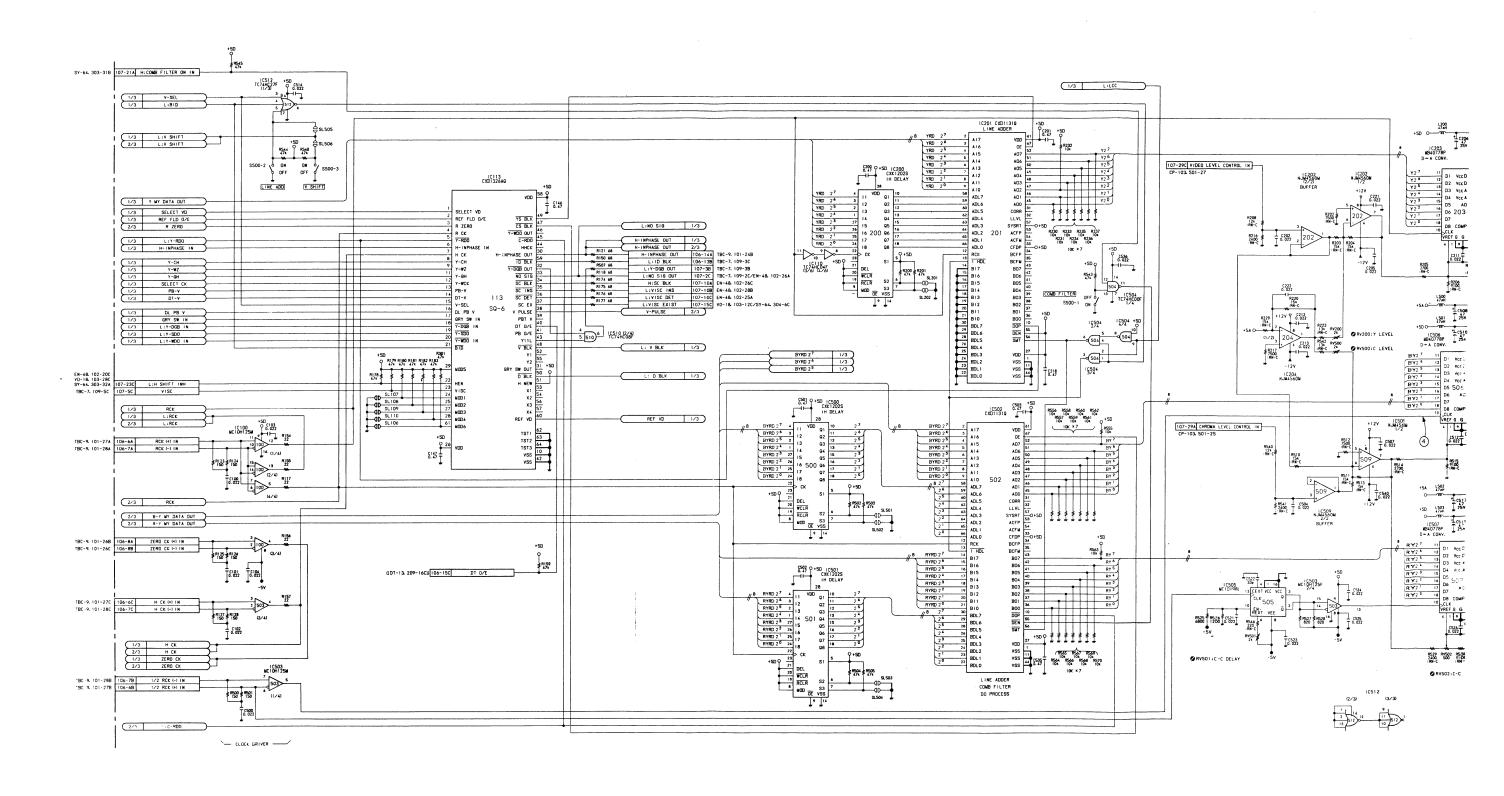
F G H I J J K L





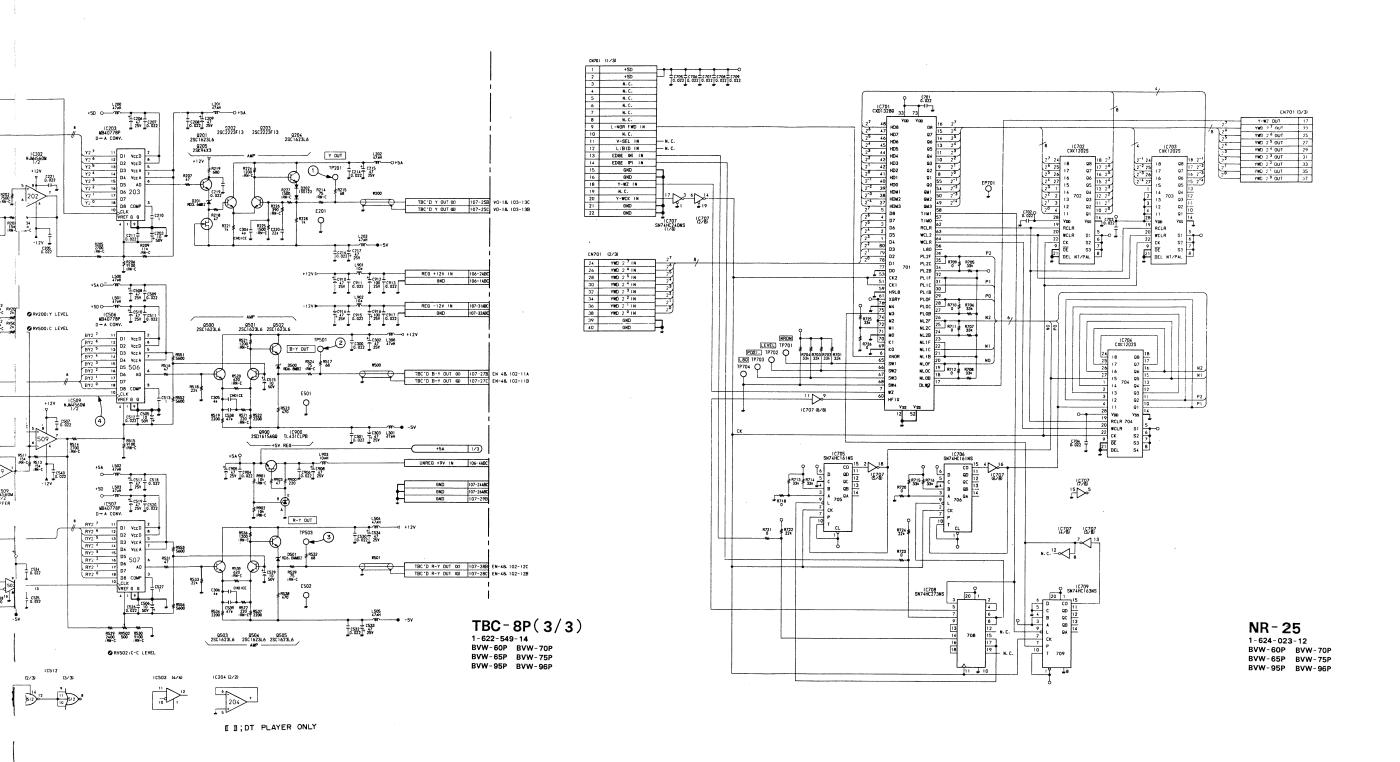
TBC-8P (3/3); D/A CONVERTER NR-25; Y DIGITAL NOISE REDUCTION

S/N 10061 through 10416



16-57 (a)

16-58 (a)

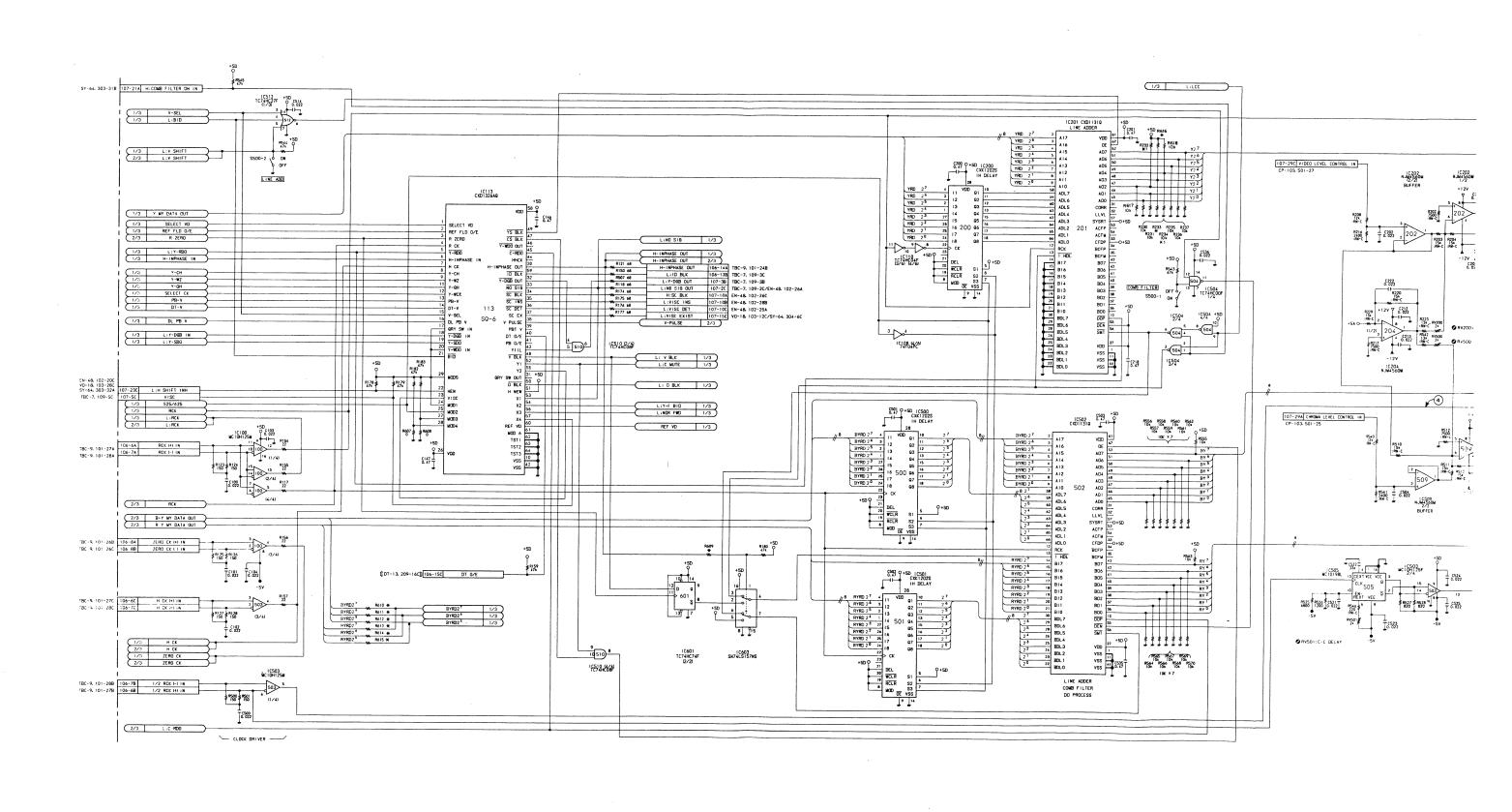


16-59 (a)

16-60 (a)

TBC-8P (3/3); D/A CONVERTER NR-25; Y DIGITAL NOISE REDUCTION

S/N 10417 through 10769



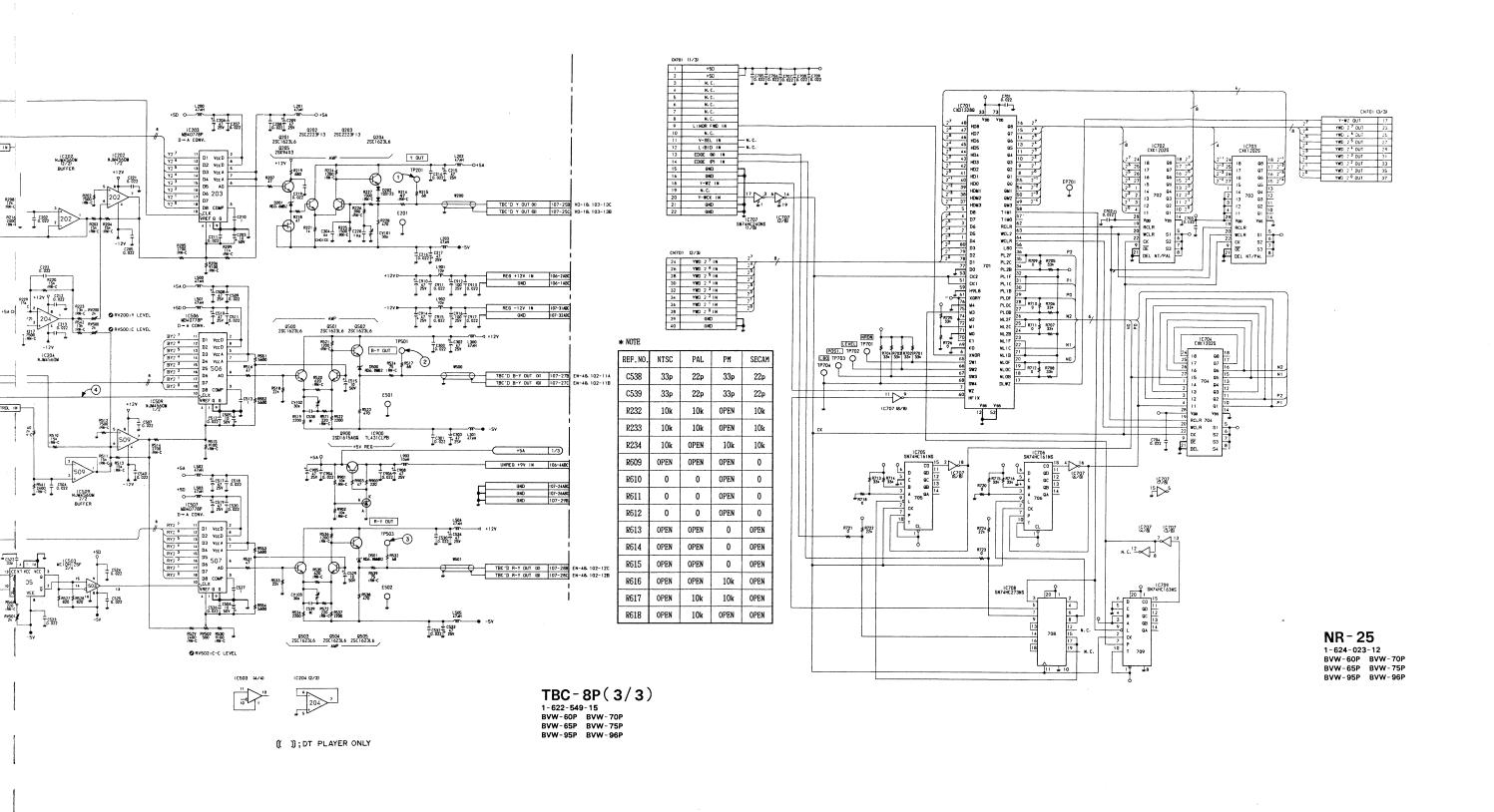
16-57 (b)

16-58 (b)

E

G

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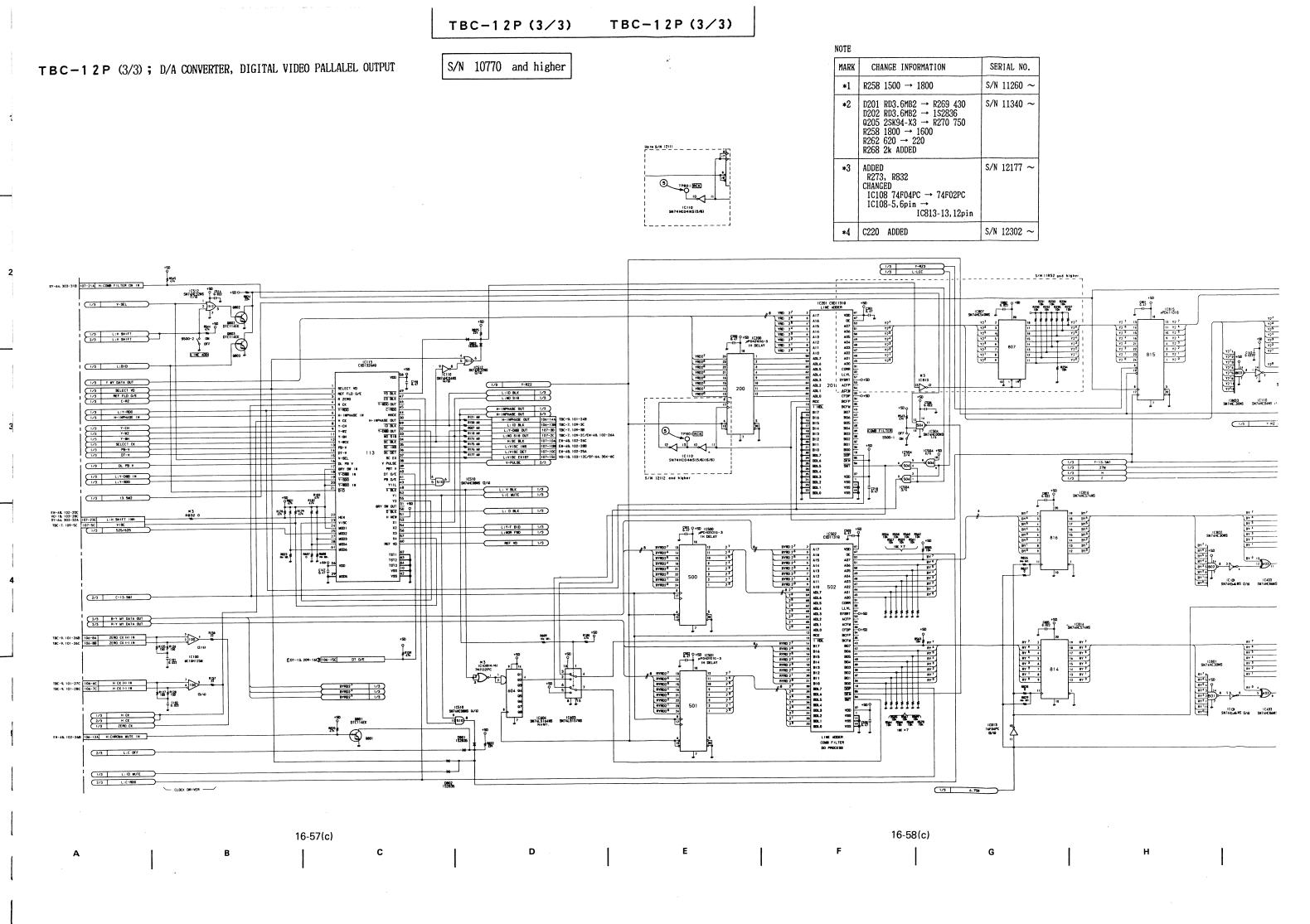
16-59 (b)

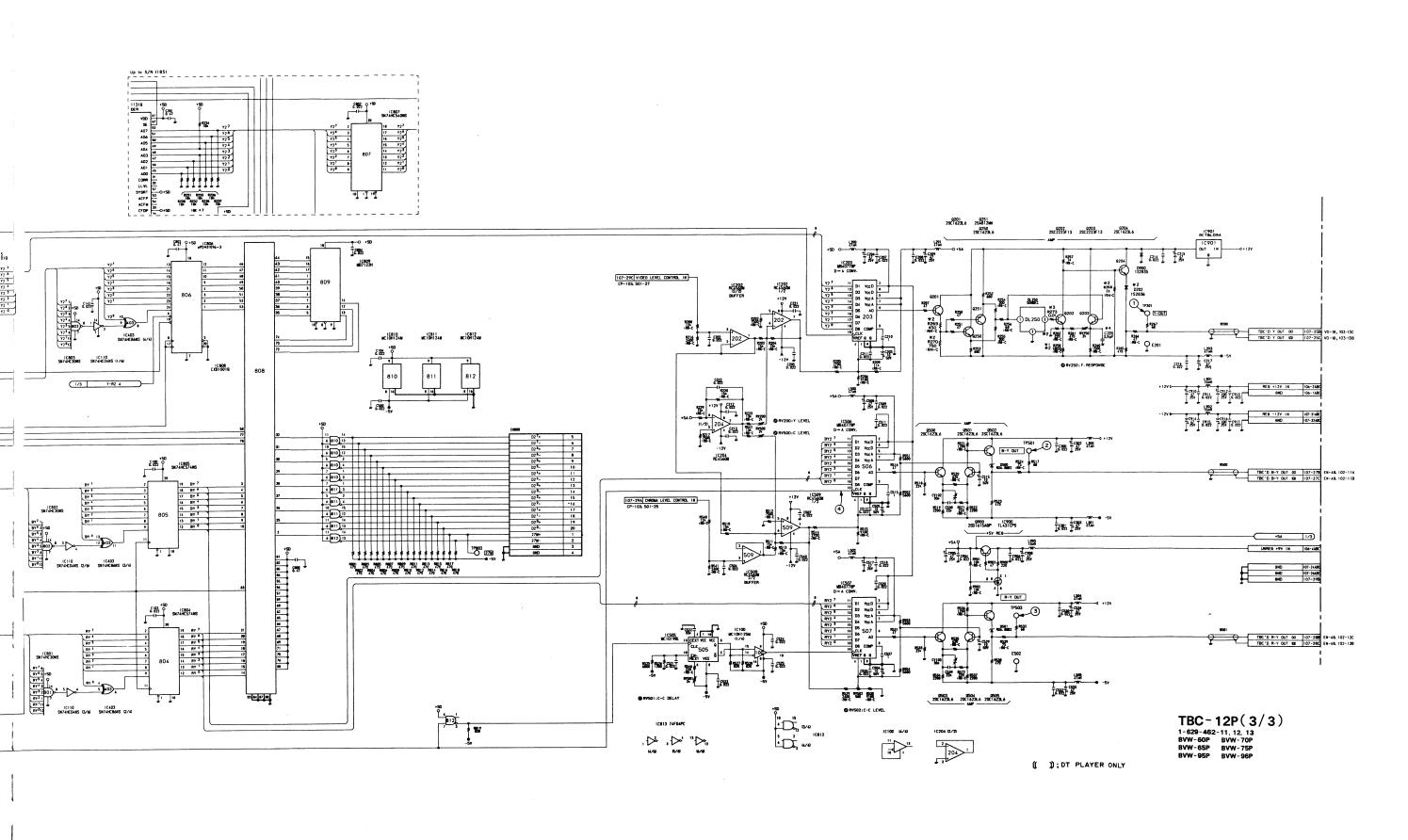
16-60 (b)

N

M

N



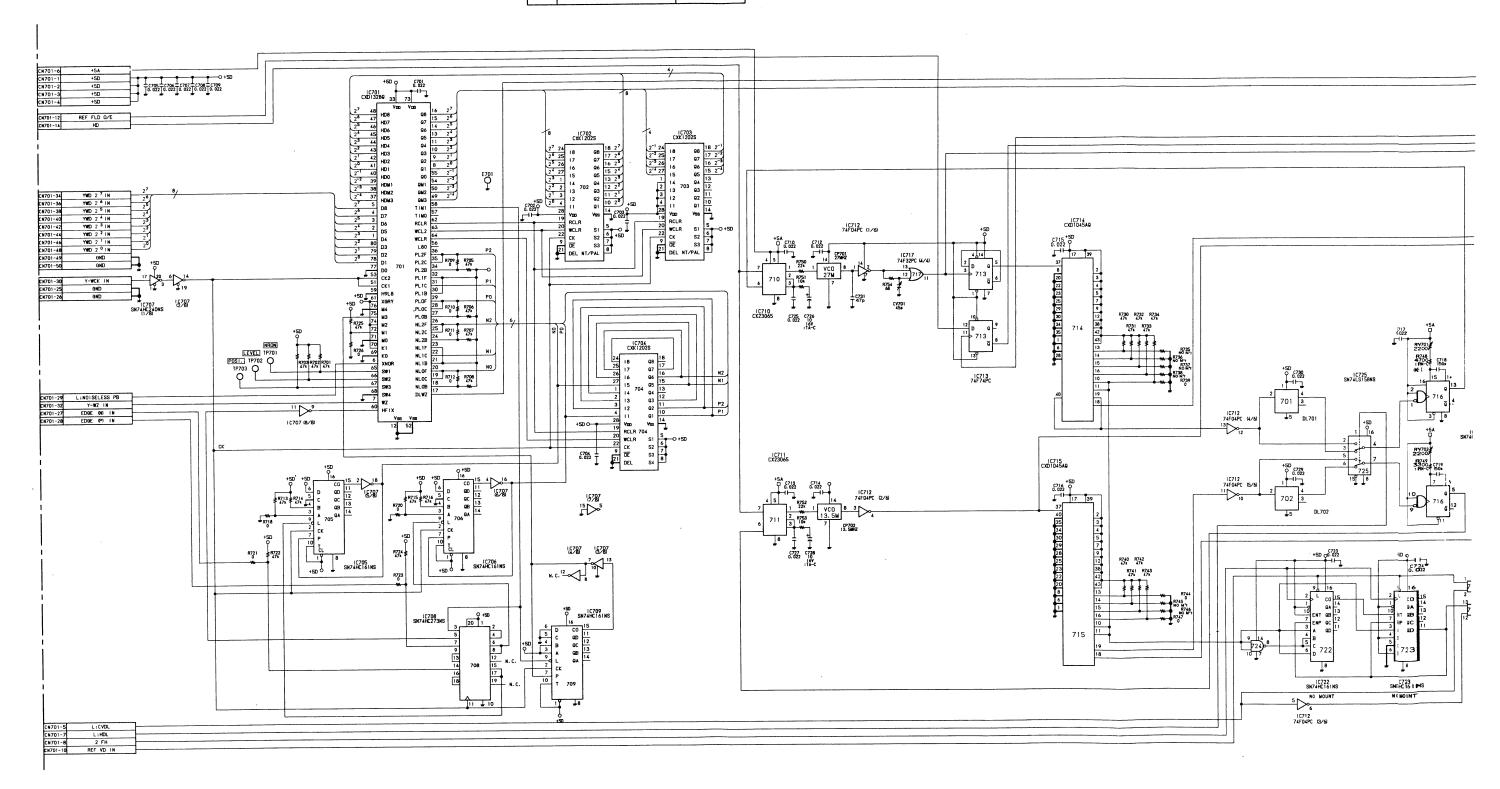


16-59(c)

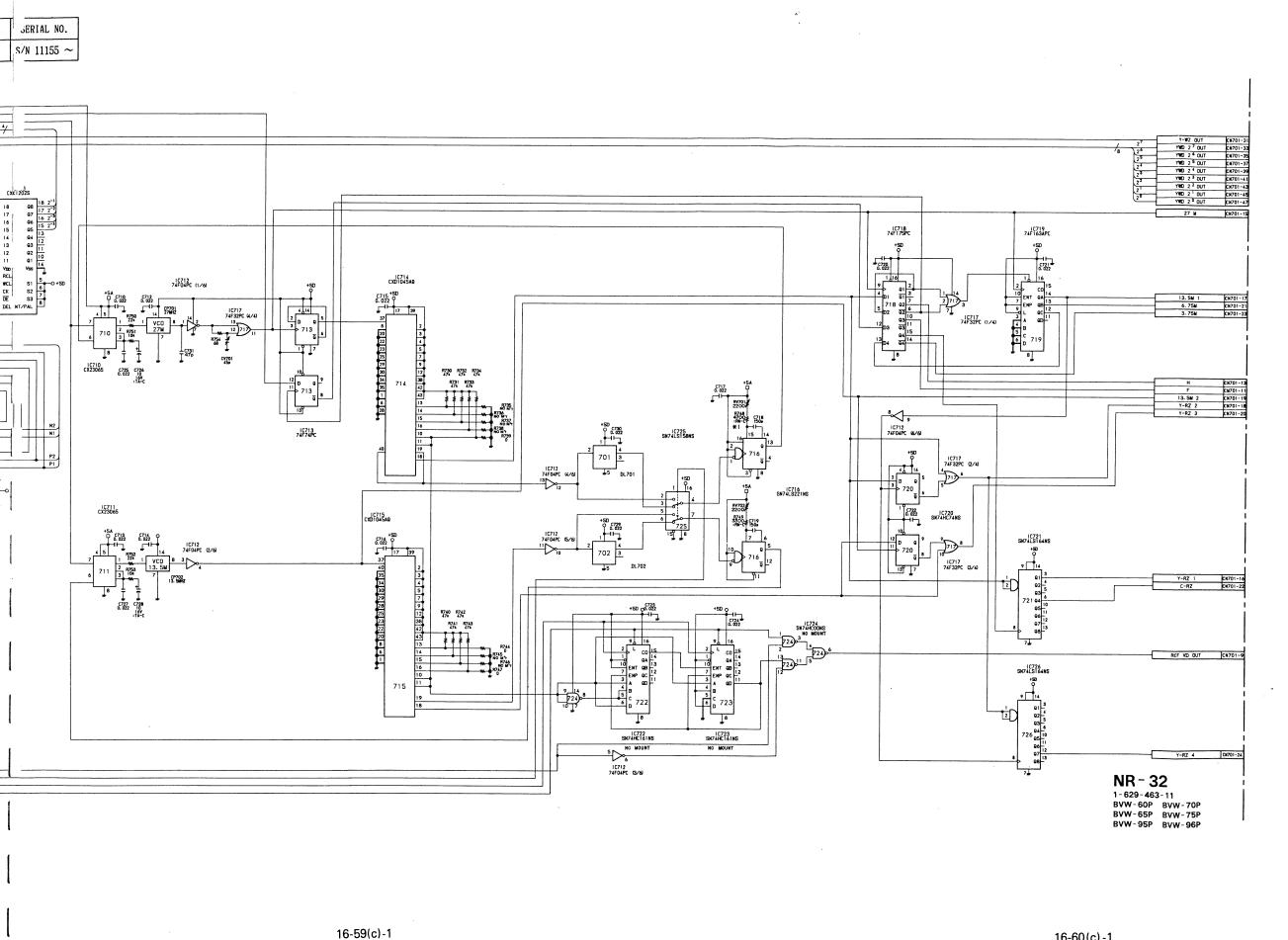
16-60(c)

NR-32; Y DIGITAL NOISE REDUCTION, READ CLOCK GENERATOR

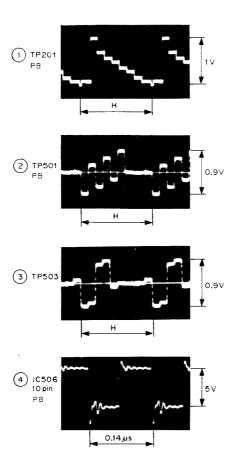
S/N 10770 and higher

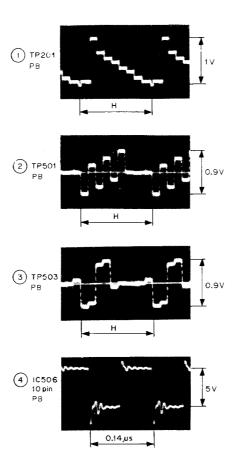


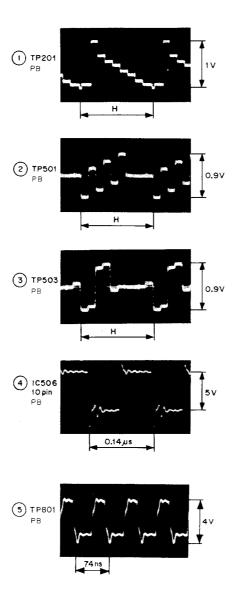
16-58(c)-1
C D E F G H



16-60(c)-1



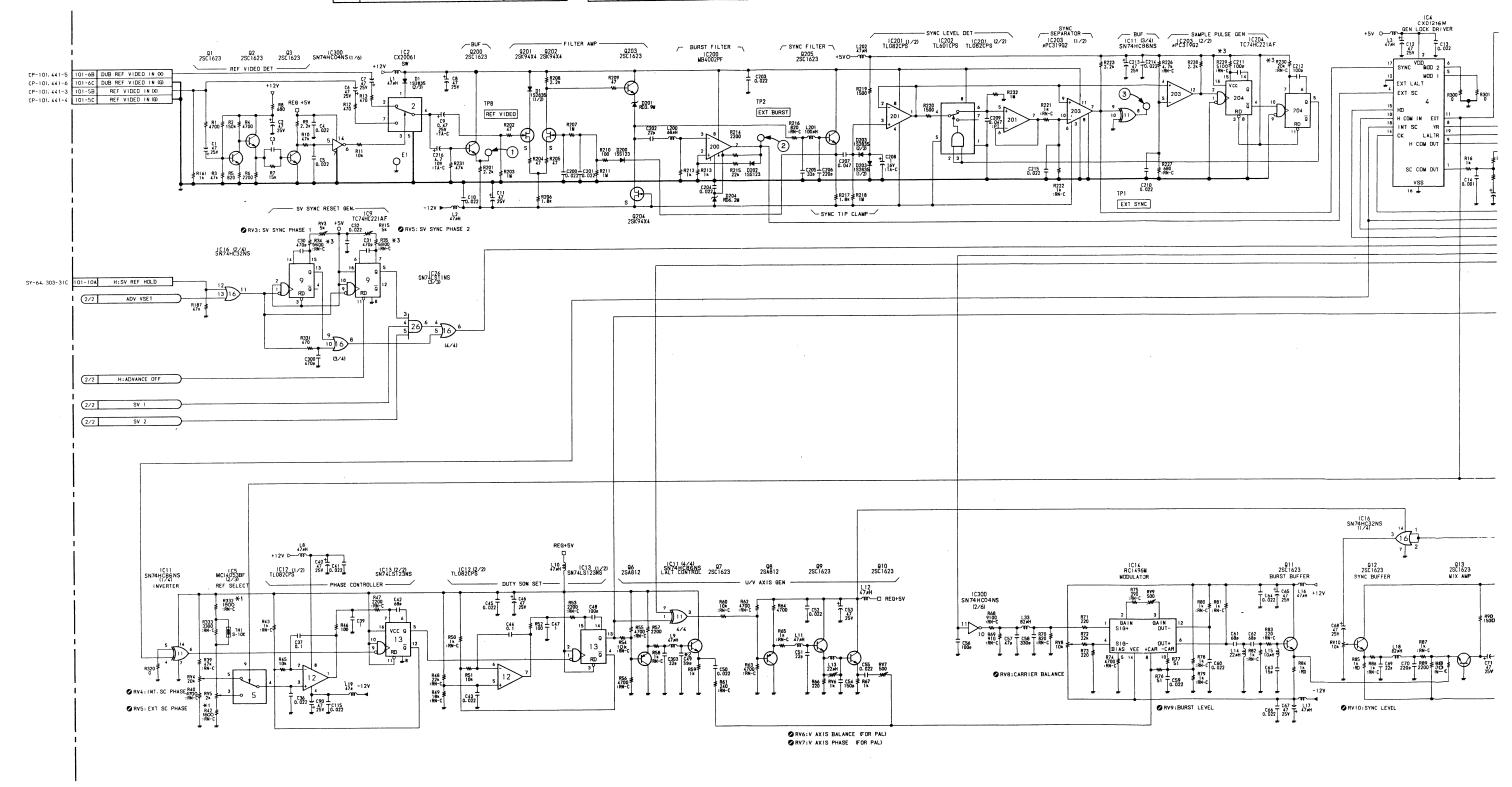




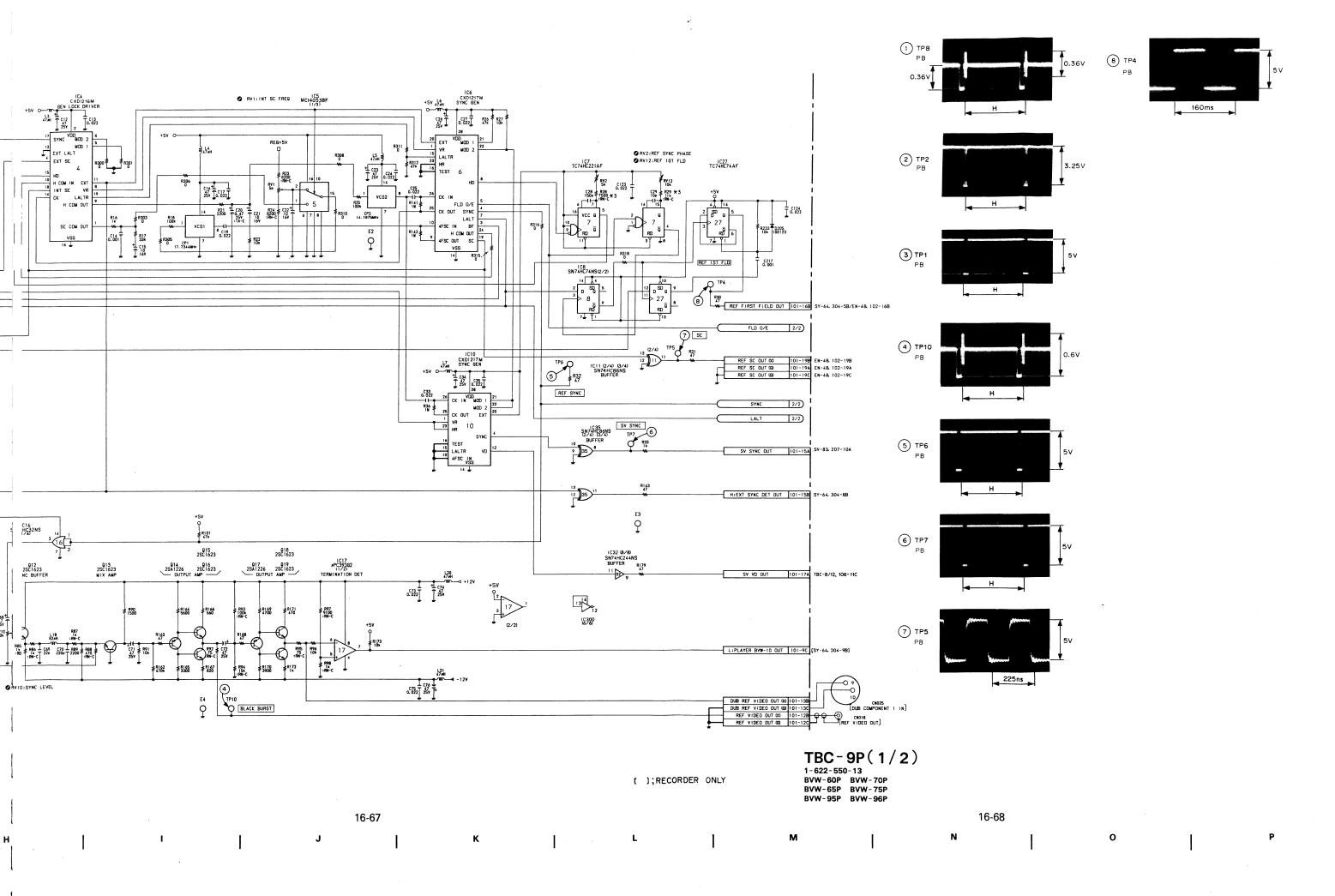
TBC-9P(1/2)TBC-9P(1/2)

TBC-9P (1/2); REFERENCE SIGNAL GENERATOR

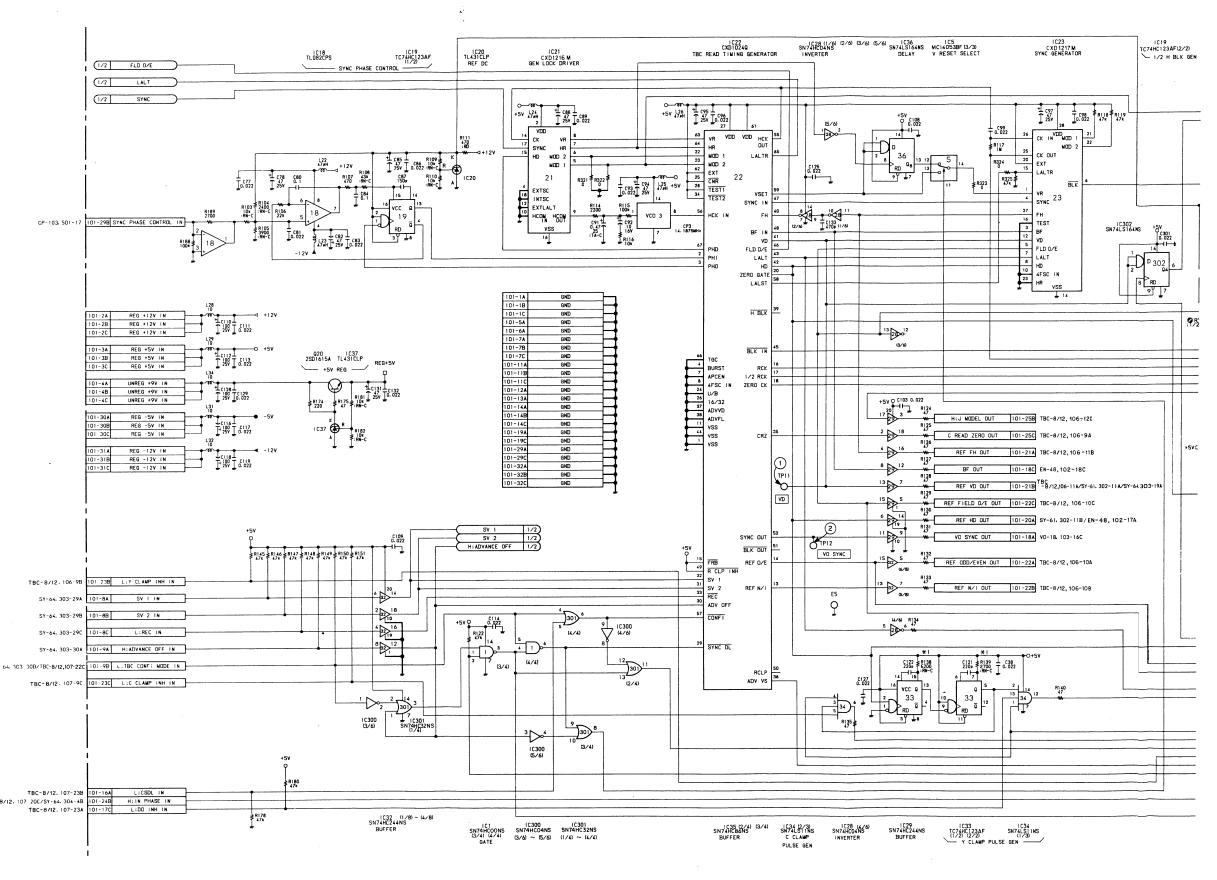
N	OLE					
	MARK	CHANGE INFORMATION	SERIAL NO.	*3	R28 8200 → 7500 R29 10k → 11k	s/N'12770 ~
	*1	R42 1200 → 1600 R332 2200 → 1800	S/N 10770 ~		R34 6800 → 5600 R35 8200 → 6800 R229 5600 → 5100	
	*2	C49 47pF → 39pF	S/N 11425 ~		R230 22k → 20k	

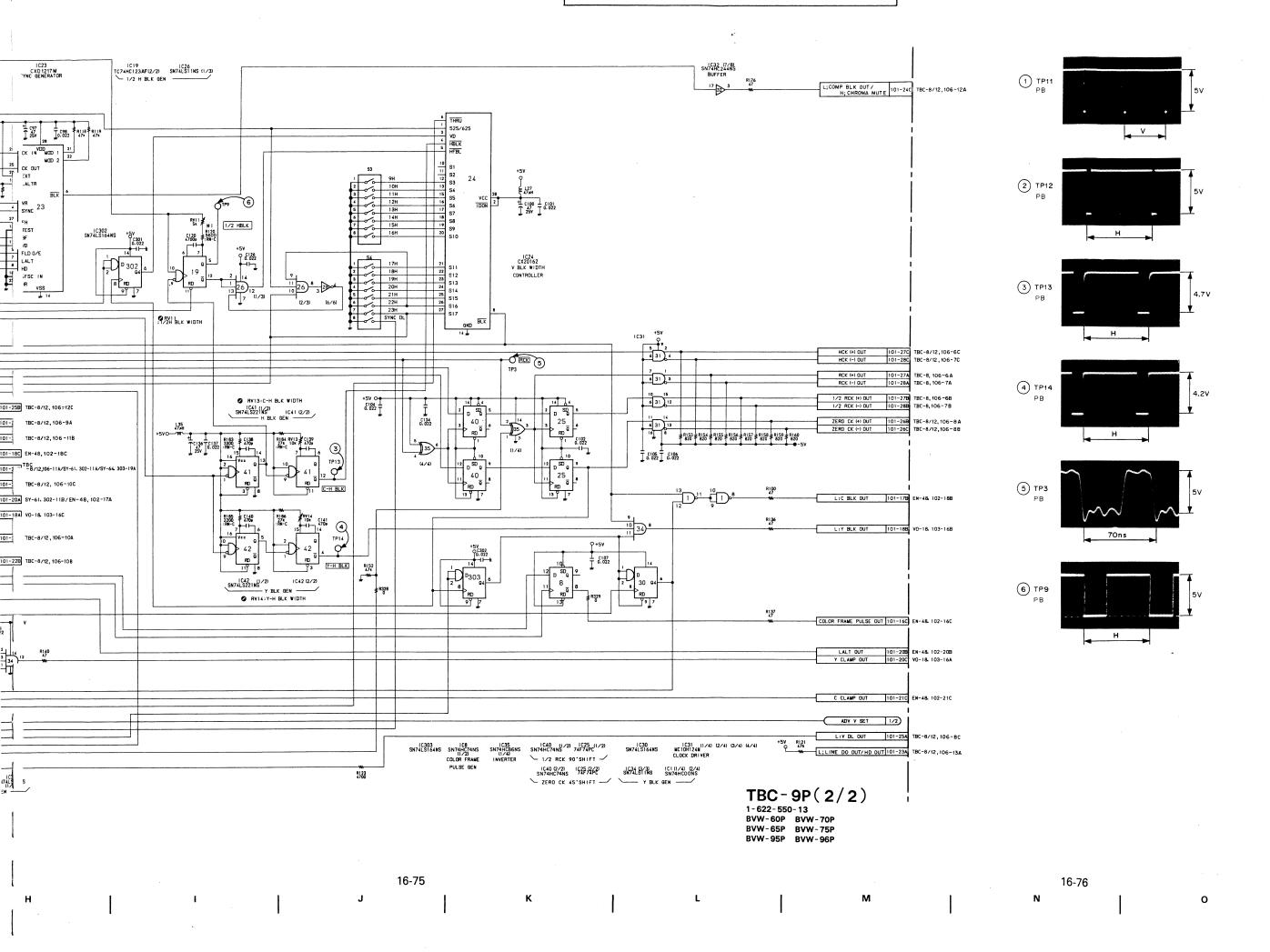


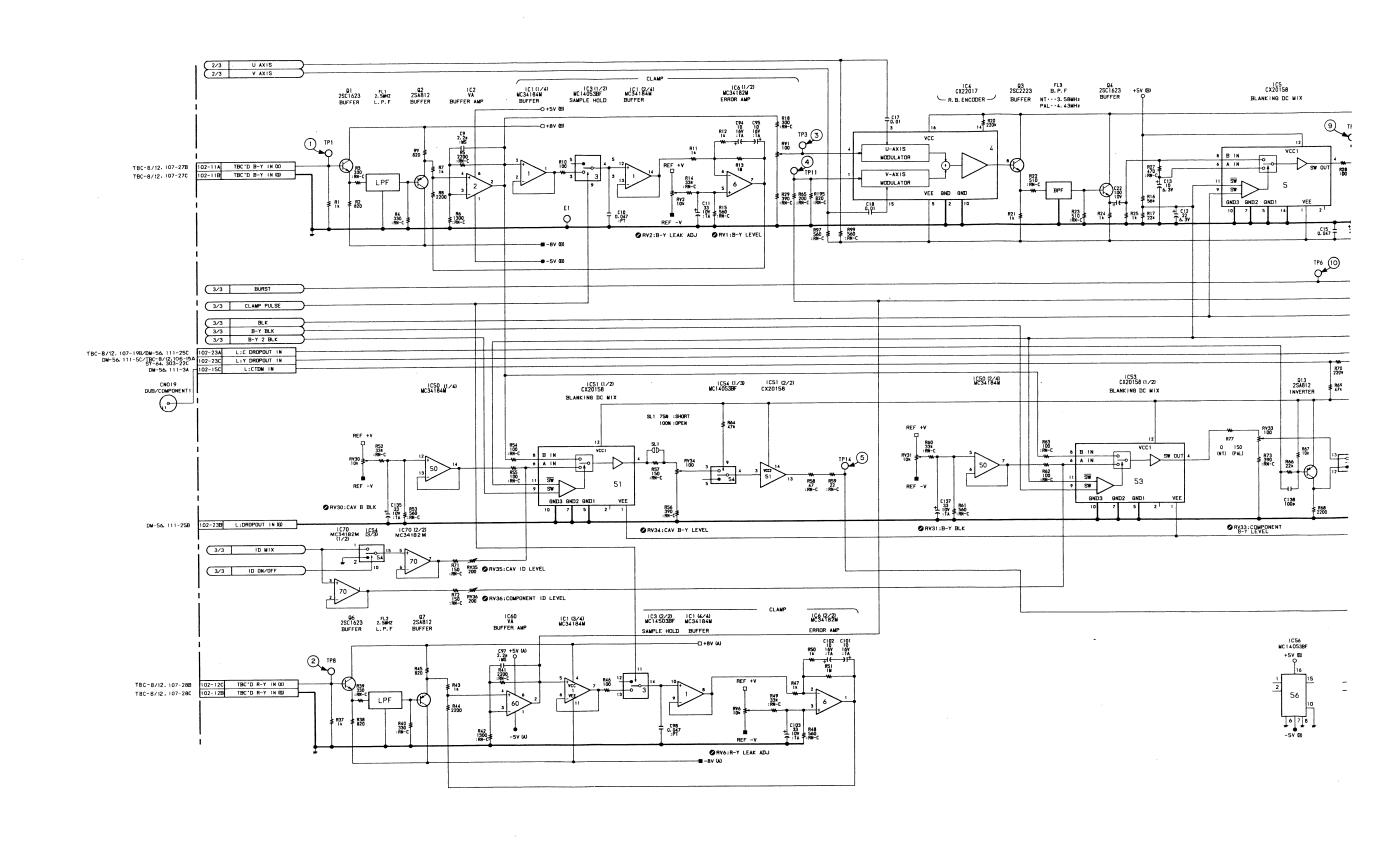
16-66 16-65



IOTE		
MARK	CHANGE INFORMATION	SERIAL NO.
*1	R120 13k → 5600 R138 8200 → 6200 R139 3900 → 2700	S/N 12770 ∼







16-81

C

D

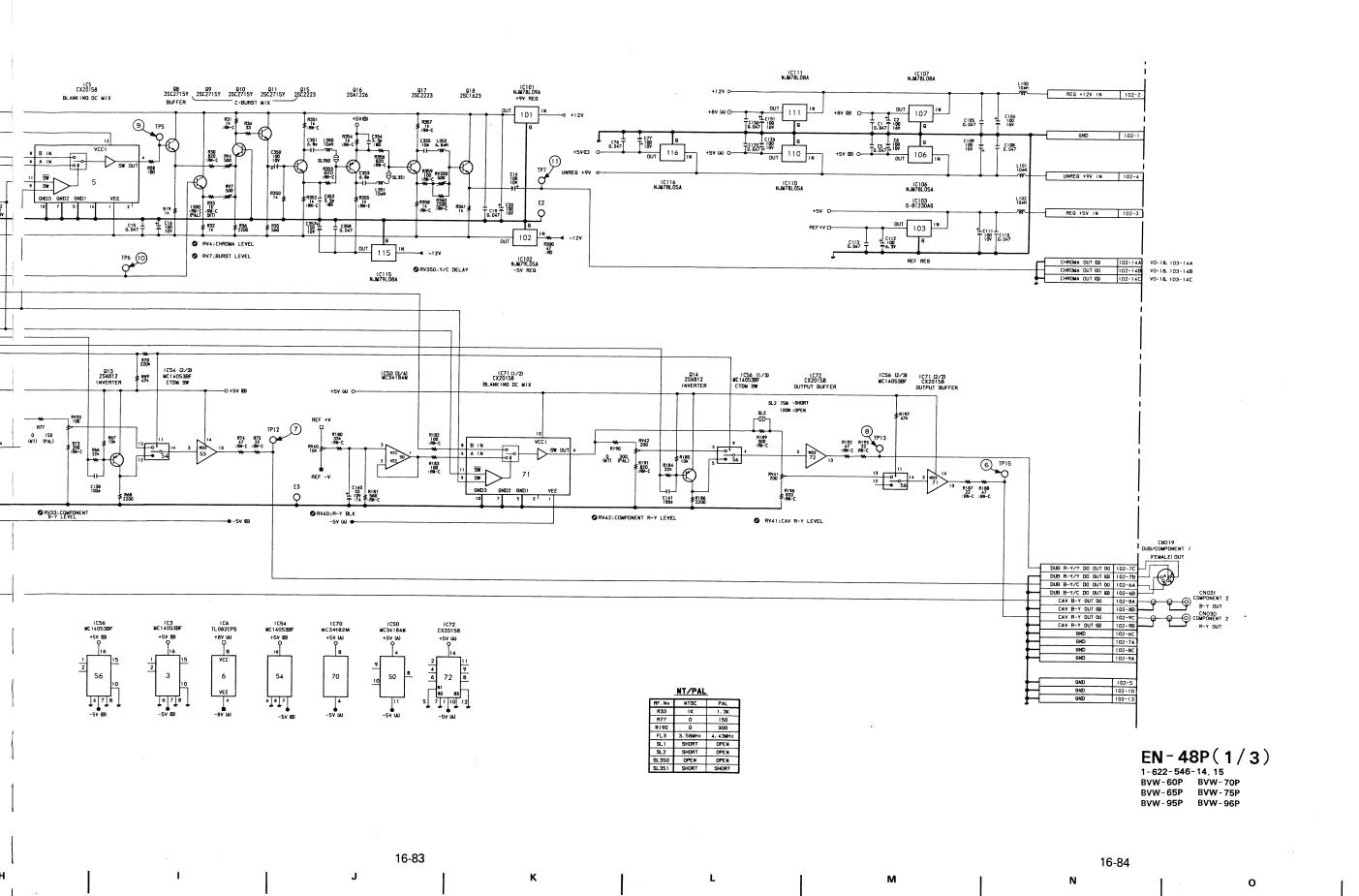
E

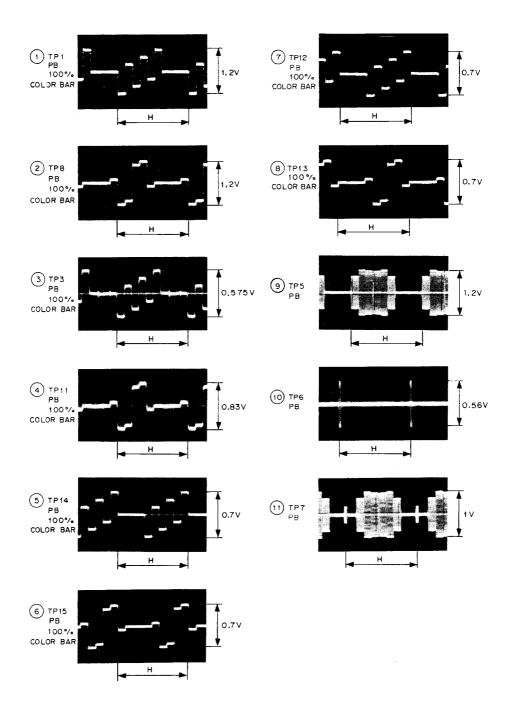
F

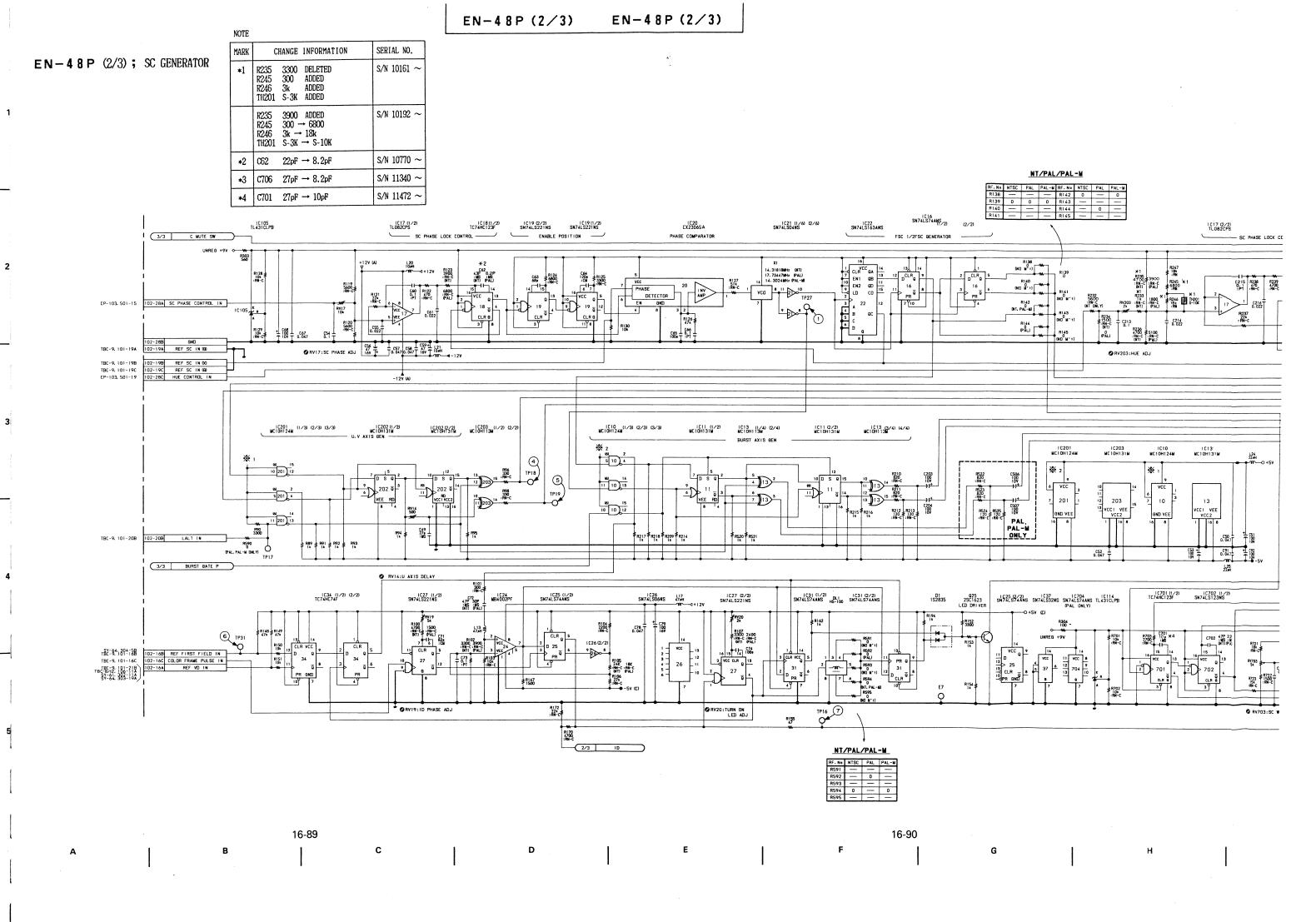
G

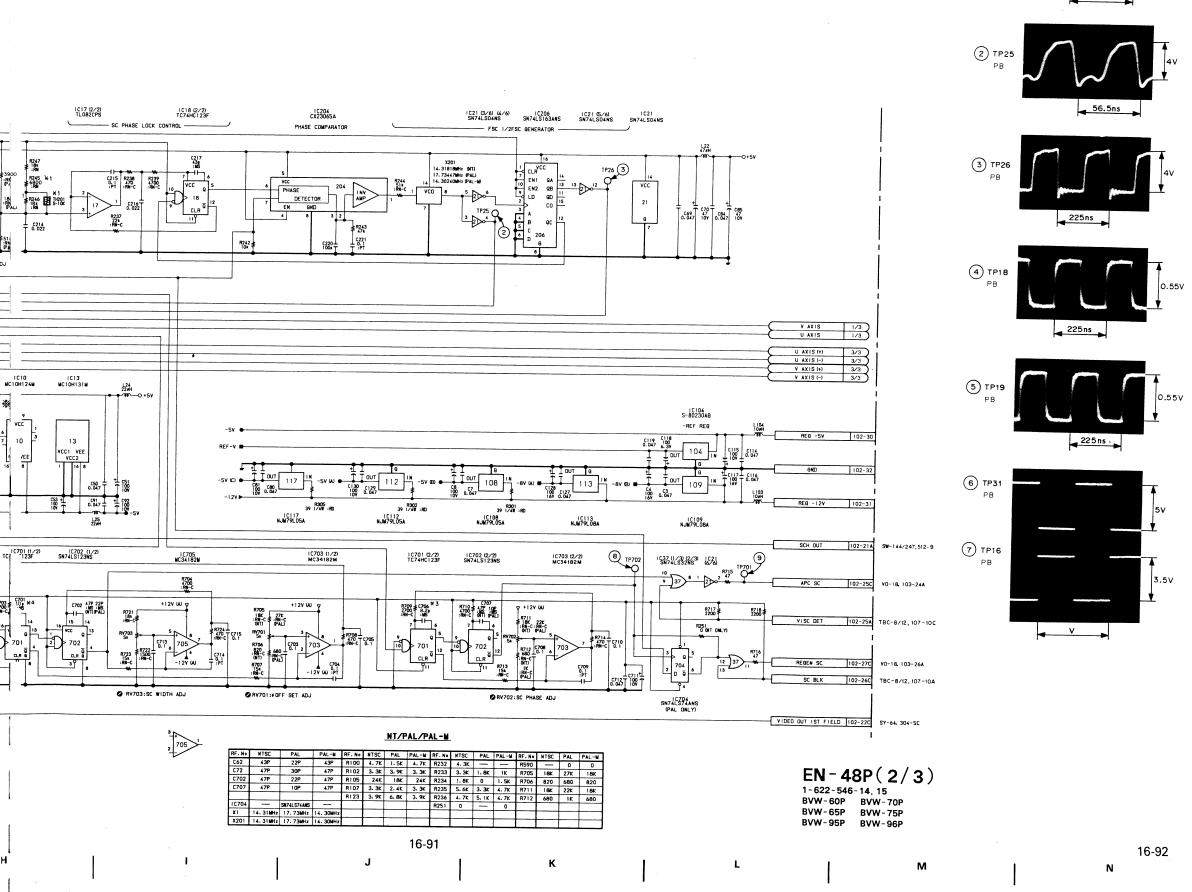
H

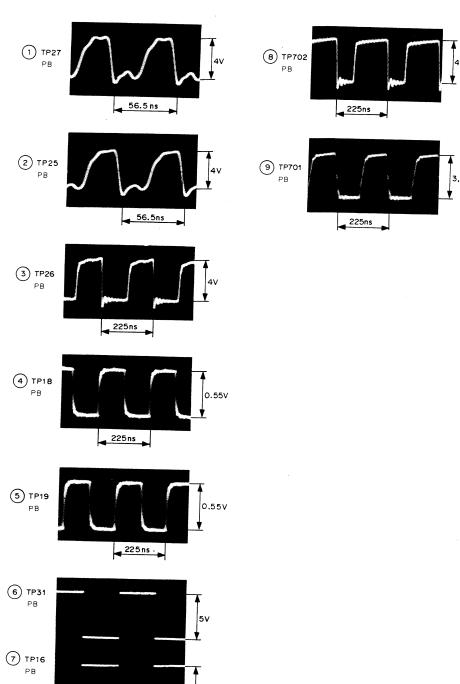
H









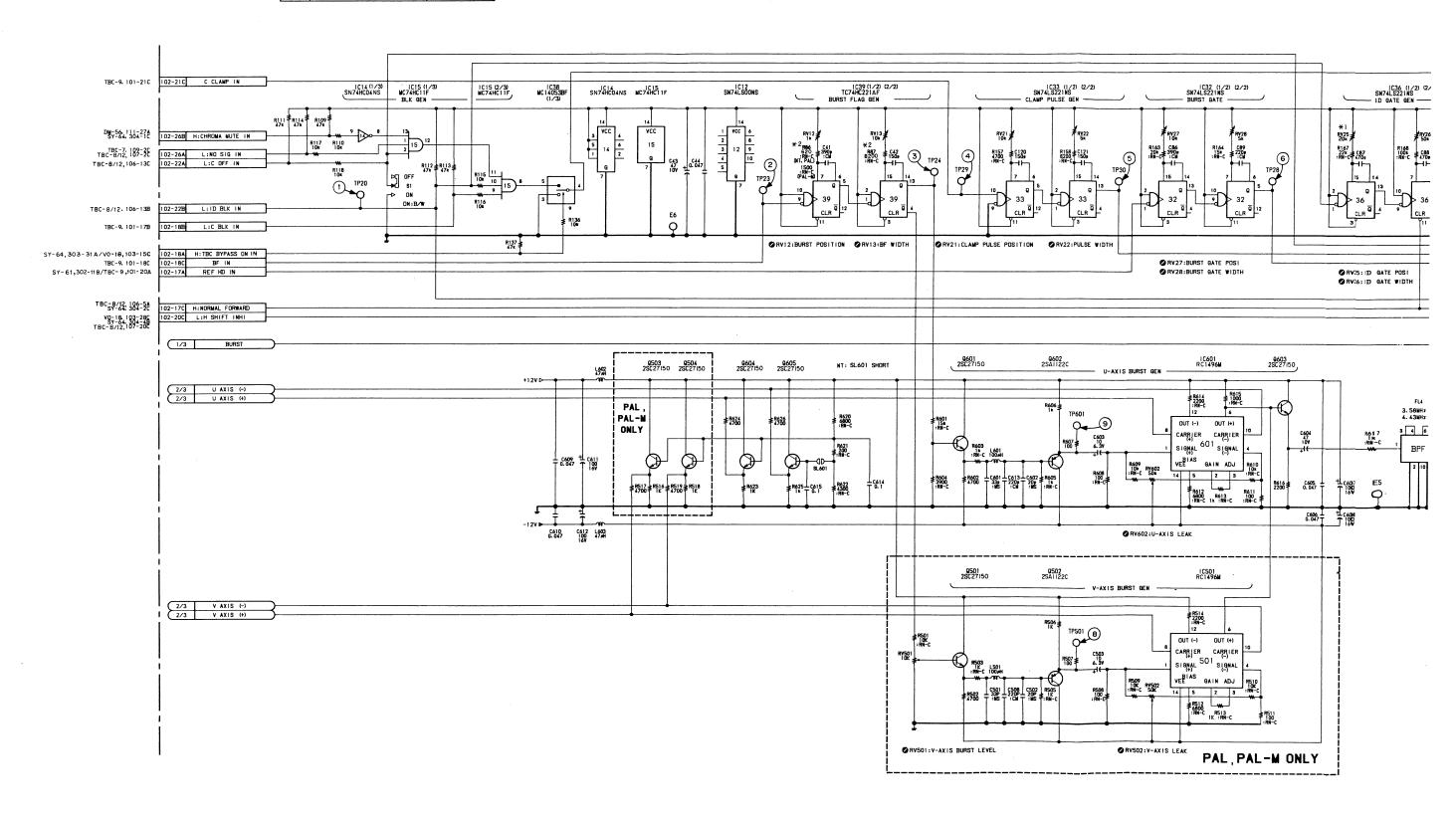


EN-48P (3/3); C BLK/BURST GENERATOR

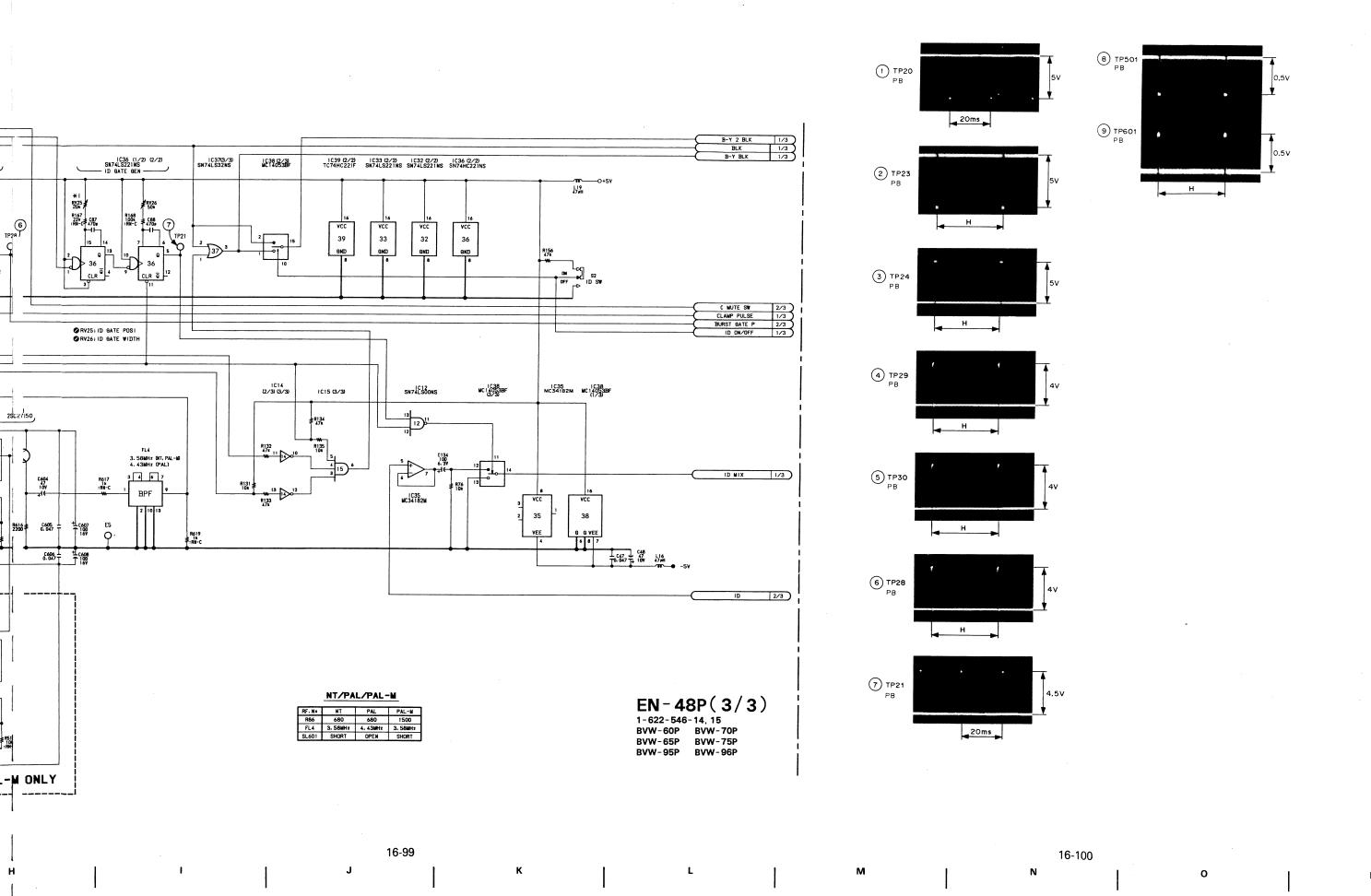
NOT

16-97

MARK	CHA	NGE INFORMATION	SERIAL NO.	
*1	RV25	10k → 20k	S/N 11340 ~	
*2	R86 R87	680 → 620 10k → 8200	S/N 12770 ∼	

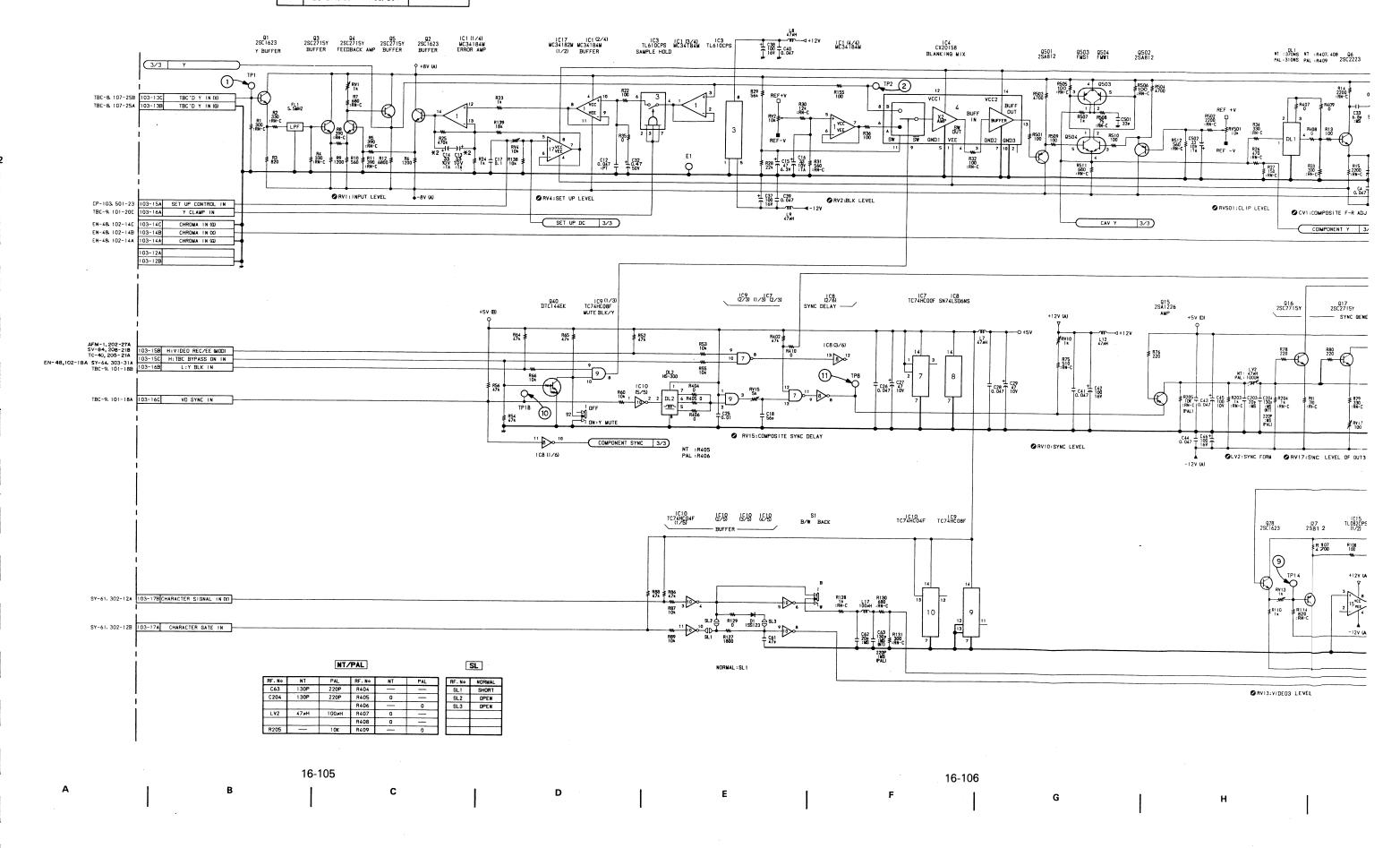


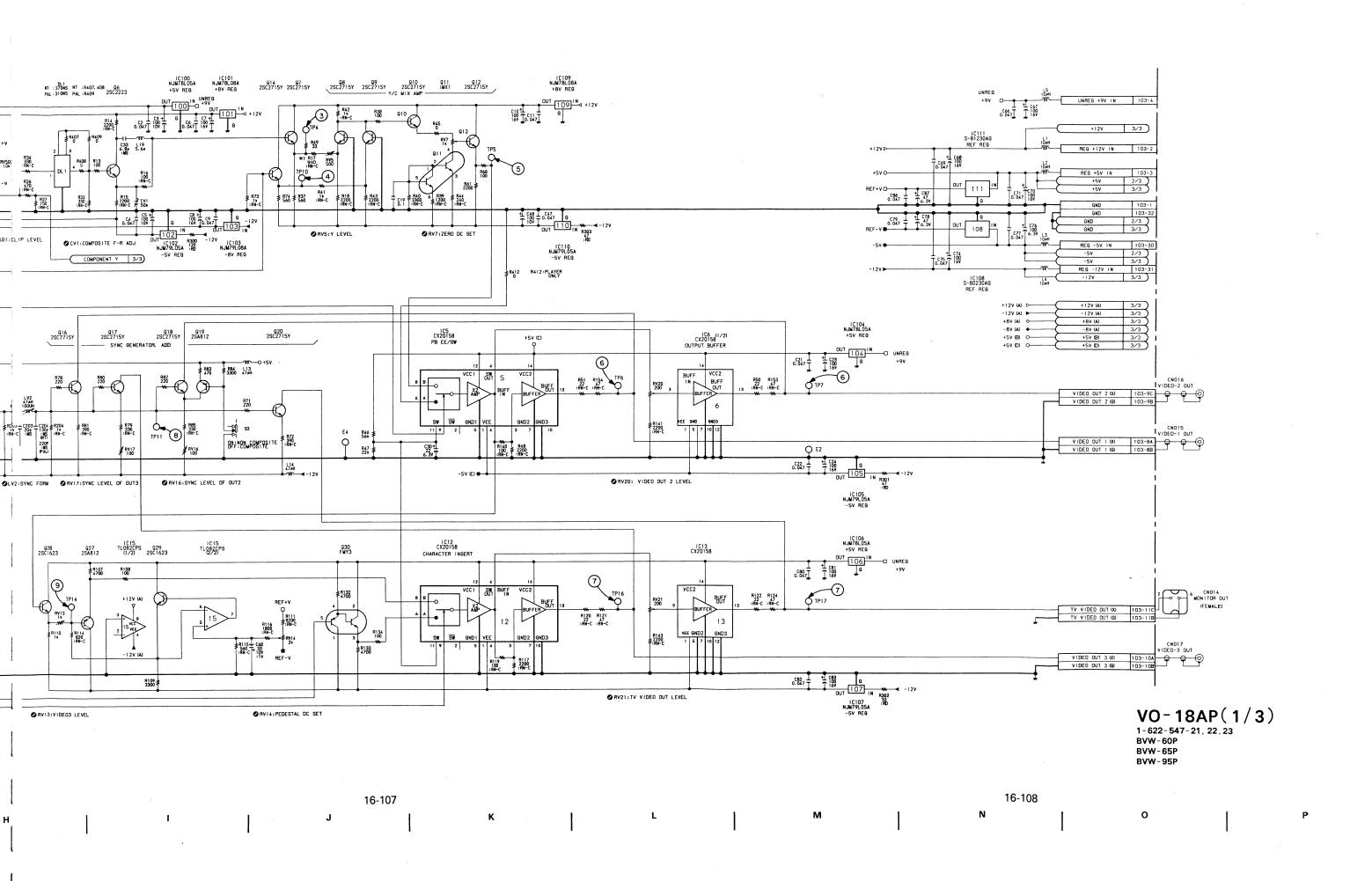
16-98

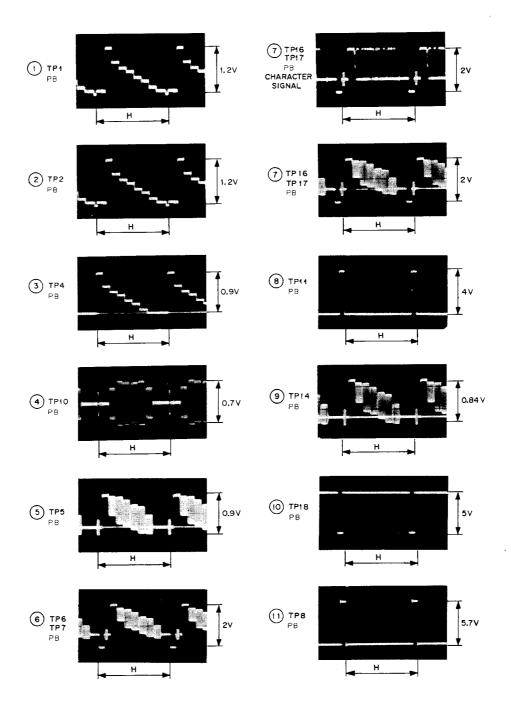


VO−18AP (1/3); VIDEO OUTPUT

	NOTE			
	MARK	CHANGE INFORMATION	SERIAL NO.	
į	*1	R17 820 → 910	S/N 10326 ~	
	*2	C13 1.5/25V -> 33/10V C14 1.5/25V -> 33/10V	S/N 11852 ~	



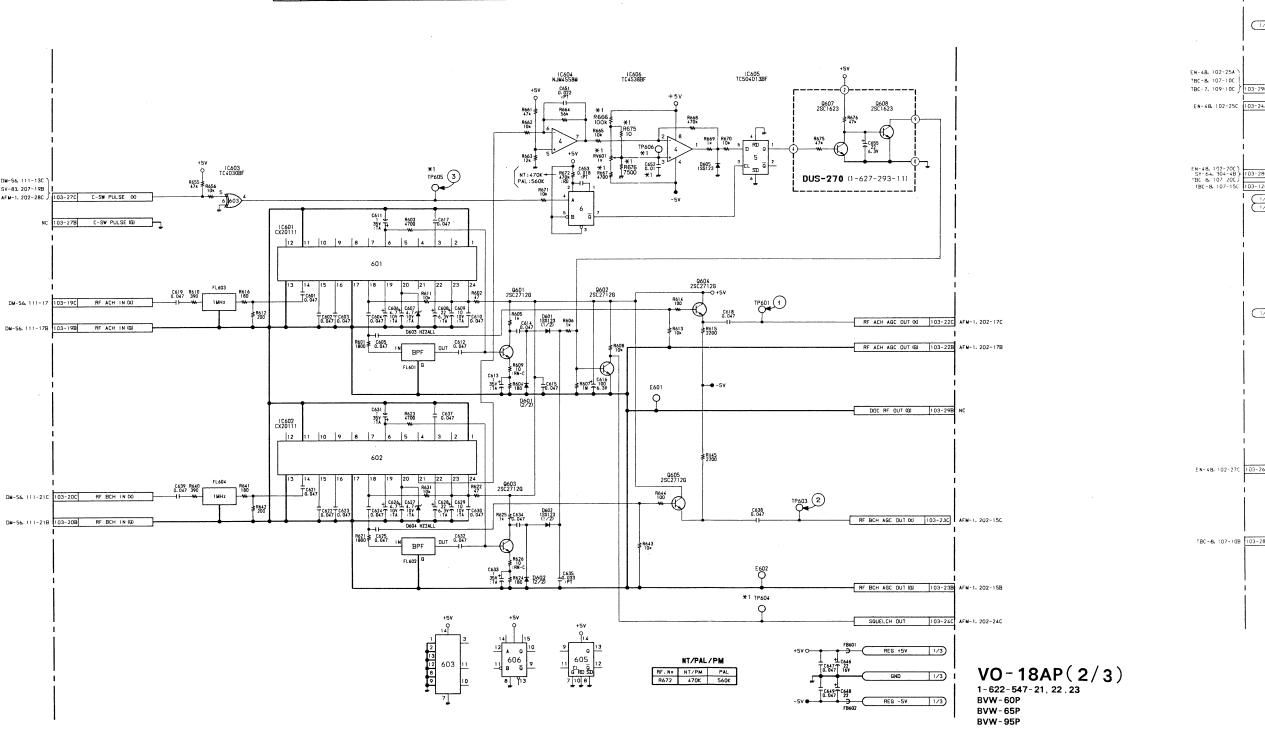




VO-18AP (2/3); AGC FOR AFM VO-18AP (3/3); SCH DETECTOR DUS-270; SQUELCH BUFFER

NOTE		
MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED  C652, R667, RV601, TP604, TP605, TP606  ADDED  R675, R676  CHANGE  R666 3900 → 100k	S/N 11677 ~

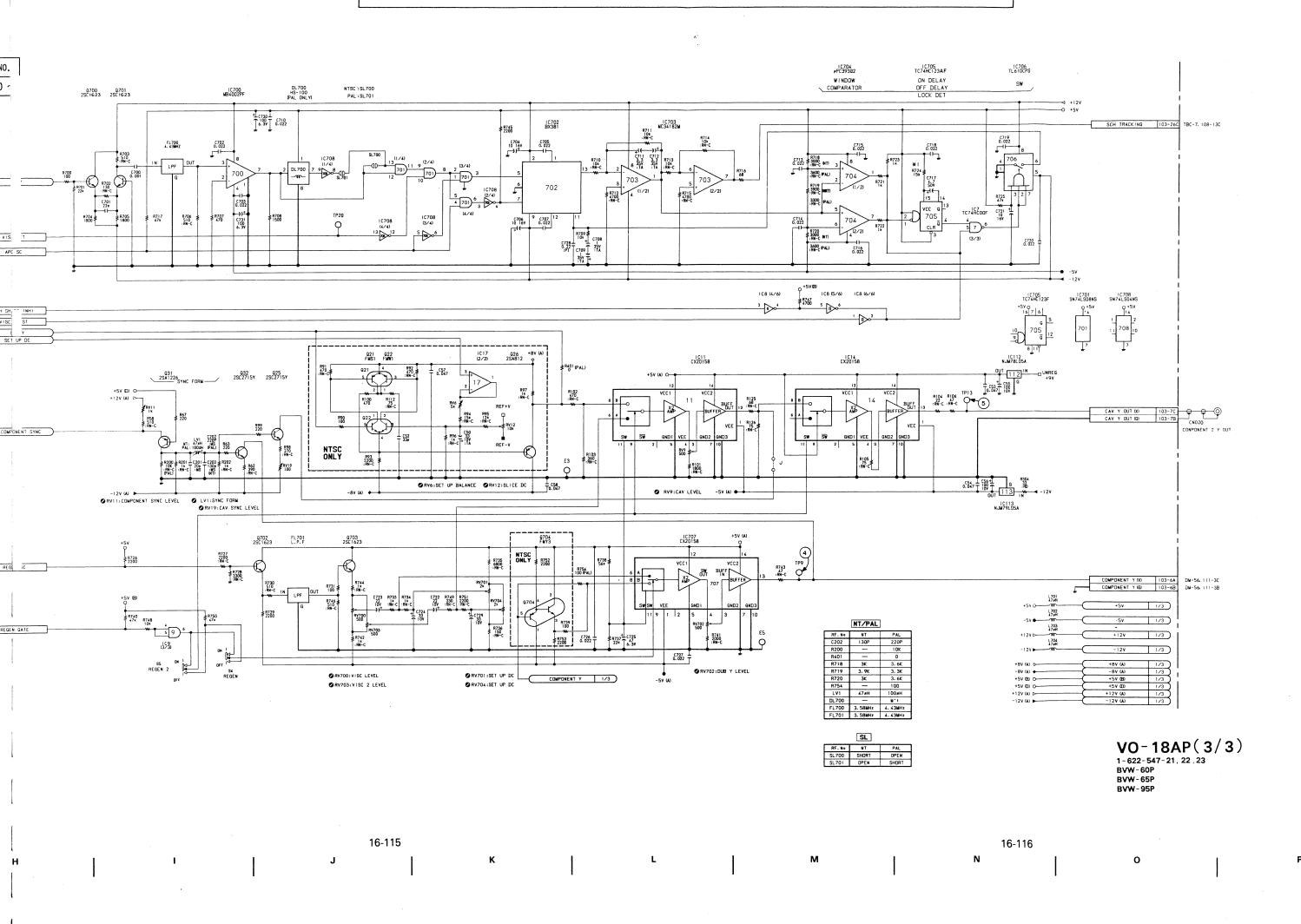
16-113

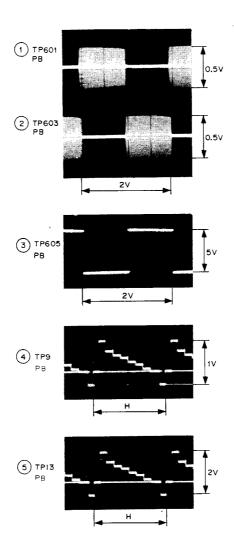


MARK SERIAL NO. CHANGE INFORMATION S/N 12770 ~ \*1 R724 33k → 15k 0700 0701 2SC1623 2SC1623 EN-48, 102-20C SY-64, 304-4B FBC 8, 107-15C TBC-8, 107-15C L:H SHIFT INHI 1/3 COMPONENT SYNC TBC-8. :07-10B 103-28B REGEN GATE

NOTE

16-114





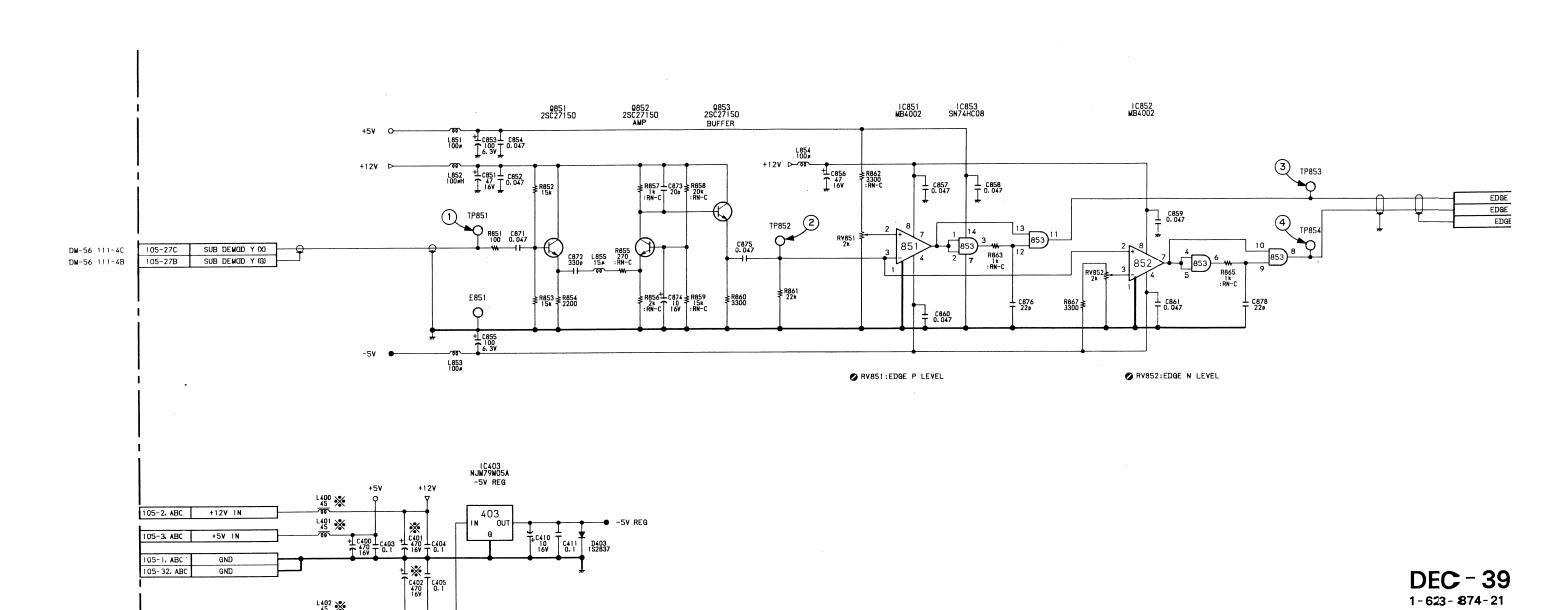
DEC-39A; EDGE DETECTOR

105-32. ABC

105-31. ABC -12V IN

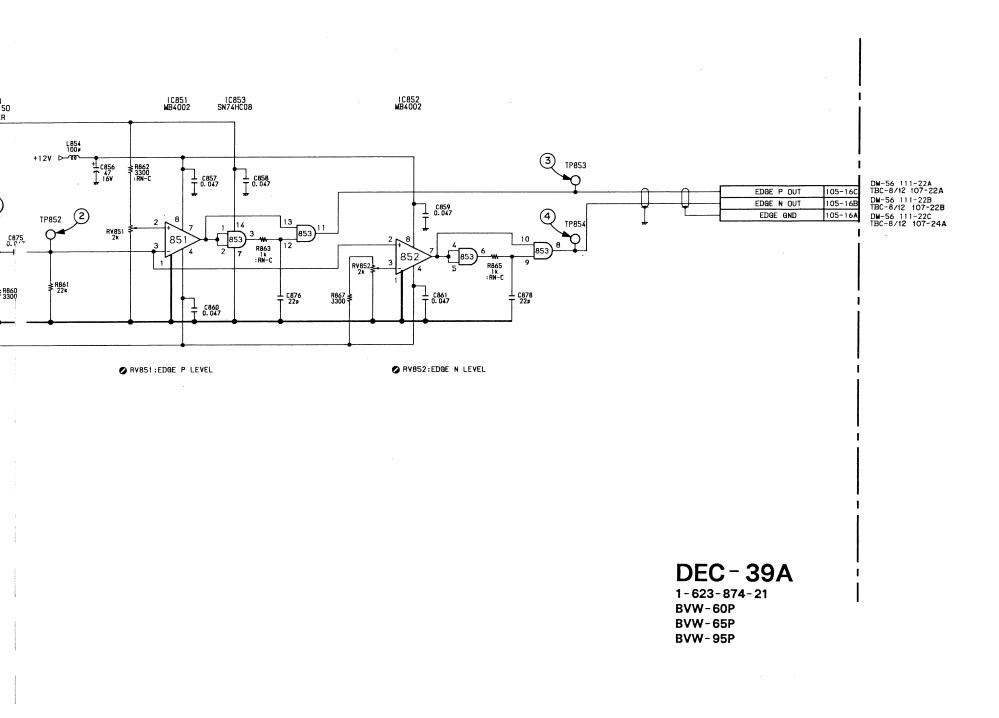
GND

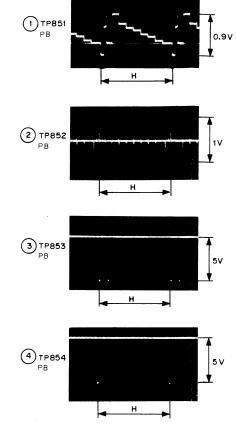
S/N 10061 through 10669



**DEC-39** 1-623-874-21 BVW-6OP BVW-65P BVW-95P

16-121 (a) 16-120 (a)



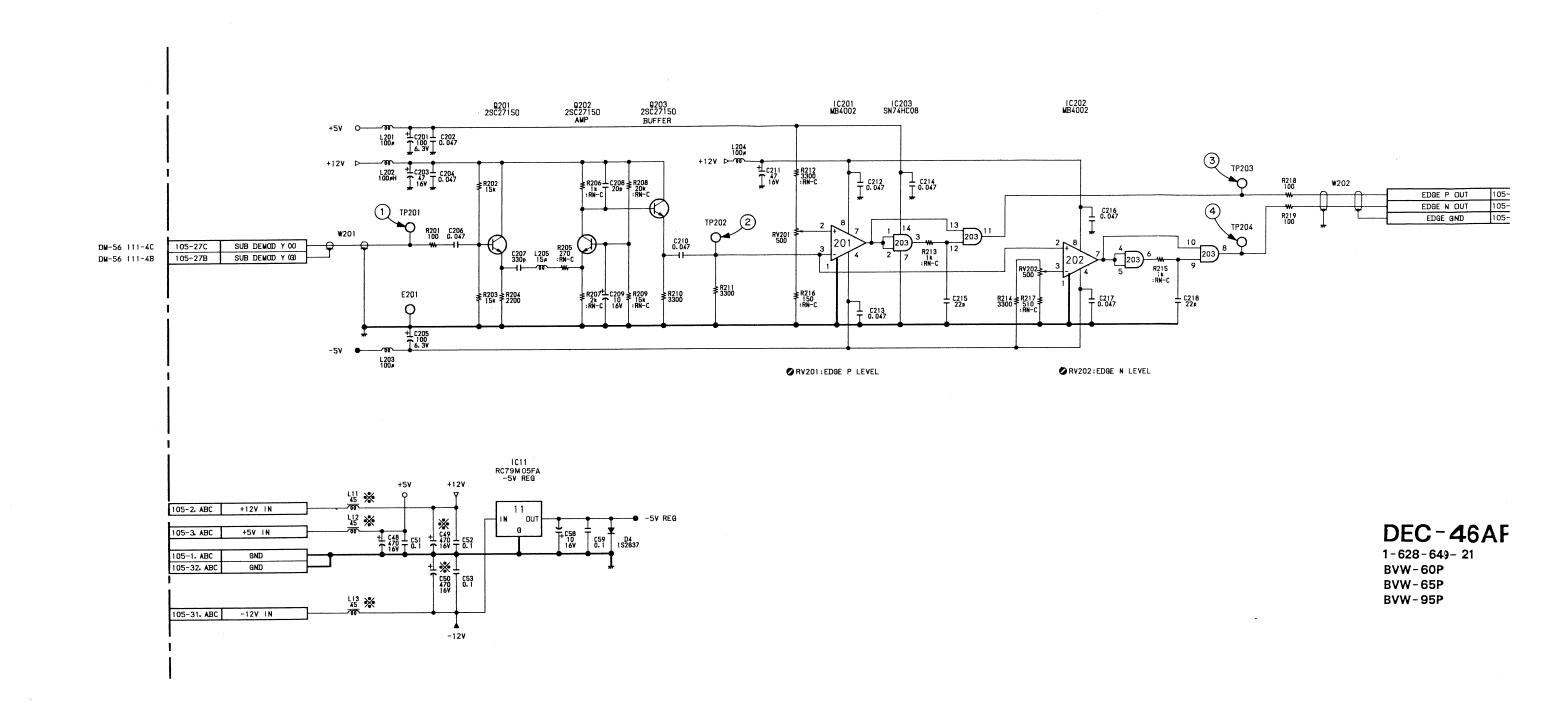


16-122 (a)

16-121 (a)

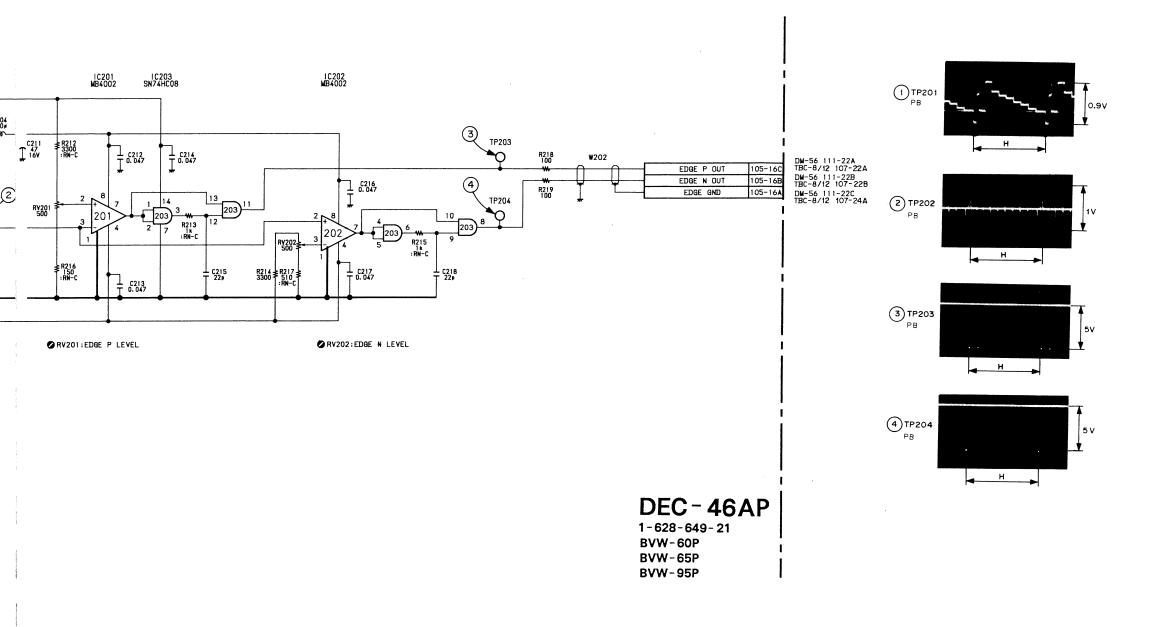
DEC-46AP; EDGE DETECTOR

S/N 10670 and higher



16-121 (b)

16-120 (b)



16-121 (b) 16-122 (b)

CP-101AP; REFERENCE VIDEO INPUT CP-103AP; SUB CONTROL PANEL

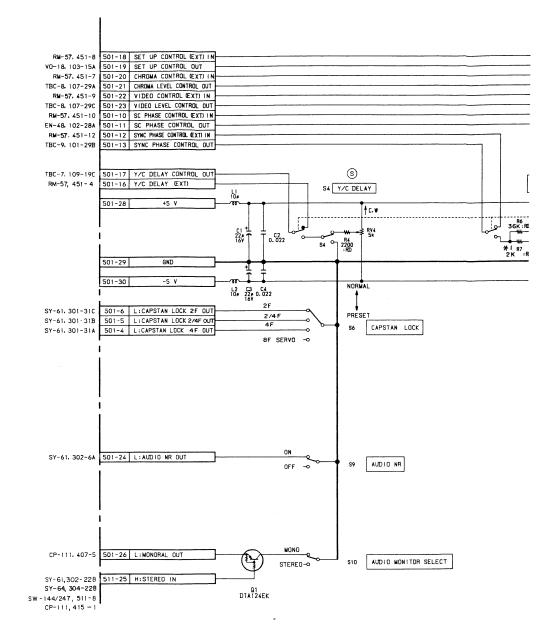
> CX20158 CN021 REF VIDEO OUT (X) 441-3 TBC-9, 101-5B REF VIDEO OUT (G) 441-4 TBC-9, 101-5C REF VIDEO IN CN022 DUB REF VIDEO OUT (X) 441-5 TBC-9, 101-6B DUB/COMPONENT OUT DUB REF VIDEO DUT (Q) 441-6 TBC-9, 101-6C 442-1 C7 C8 C9 C10 0.022 100 L1 0.022 100 :CCS 10V 100#H 3CCS 10V 442-2 +5V IN 442-3 GND 442-4 -5V IN C51 C52 L2 C53 C54 0.022 100 100AH 0.022 100 :CCS 10V :CCS 10V **CP-101AP** 1-622-570-21 BVW-60P BVW-65P BVW-95P

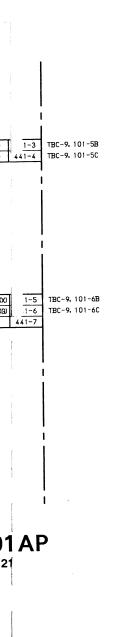
> > 16-126

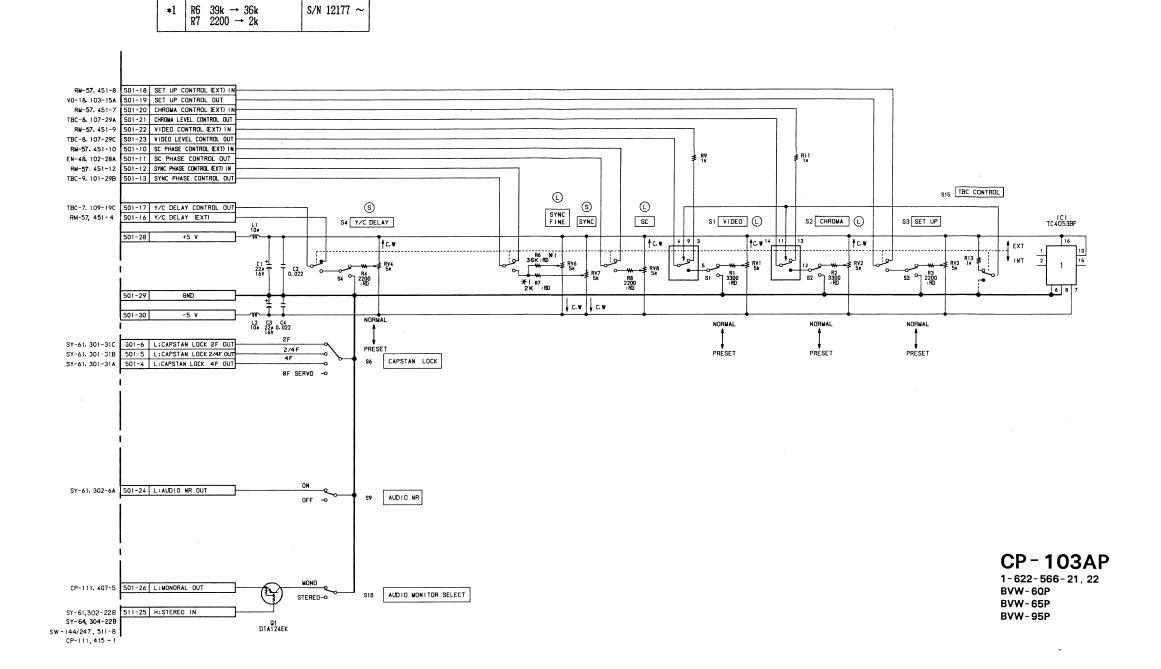
С

 MARK
 CHANGE INFORMATION
 SERIAL NO.

 \*1
 R6 39k → 36k R7 2200 → 2k
 S/N 12177 ~







16-127

G

MARK

CHANGE INFORMATION

SERIAL NO.

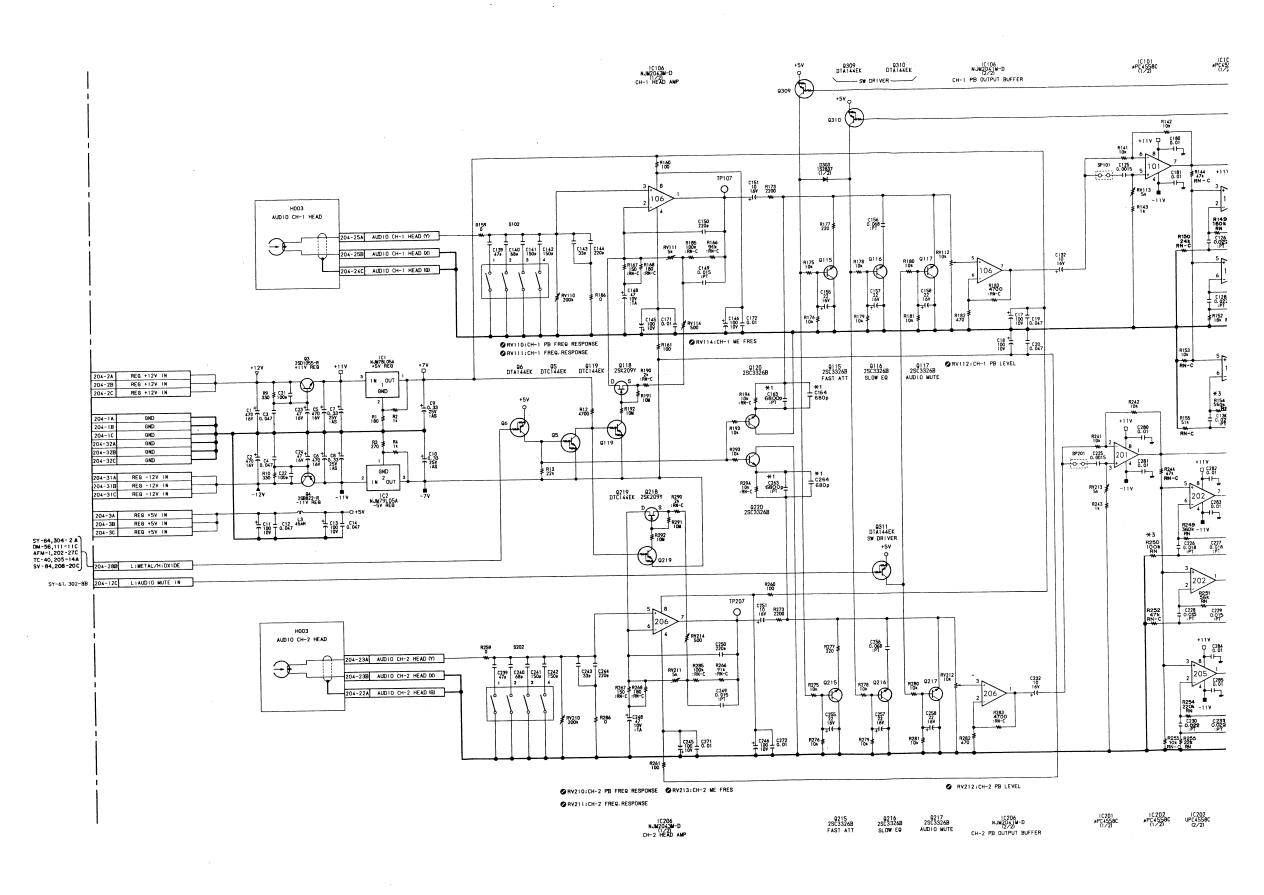
S/N 12177 ∼

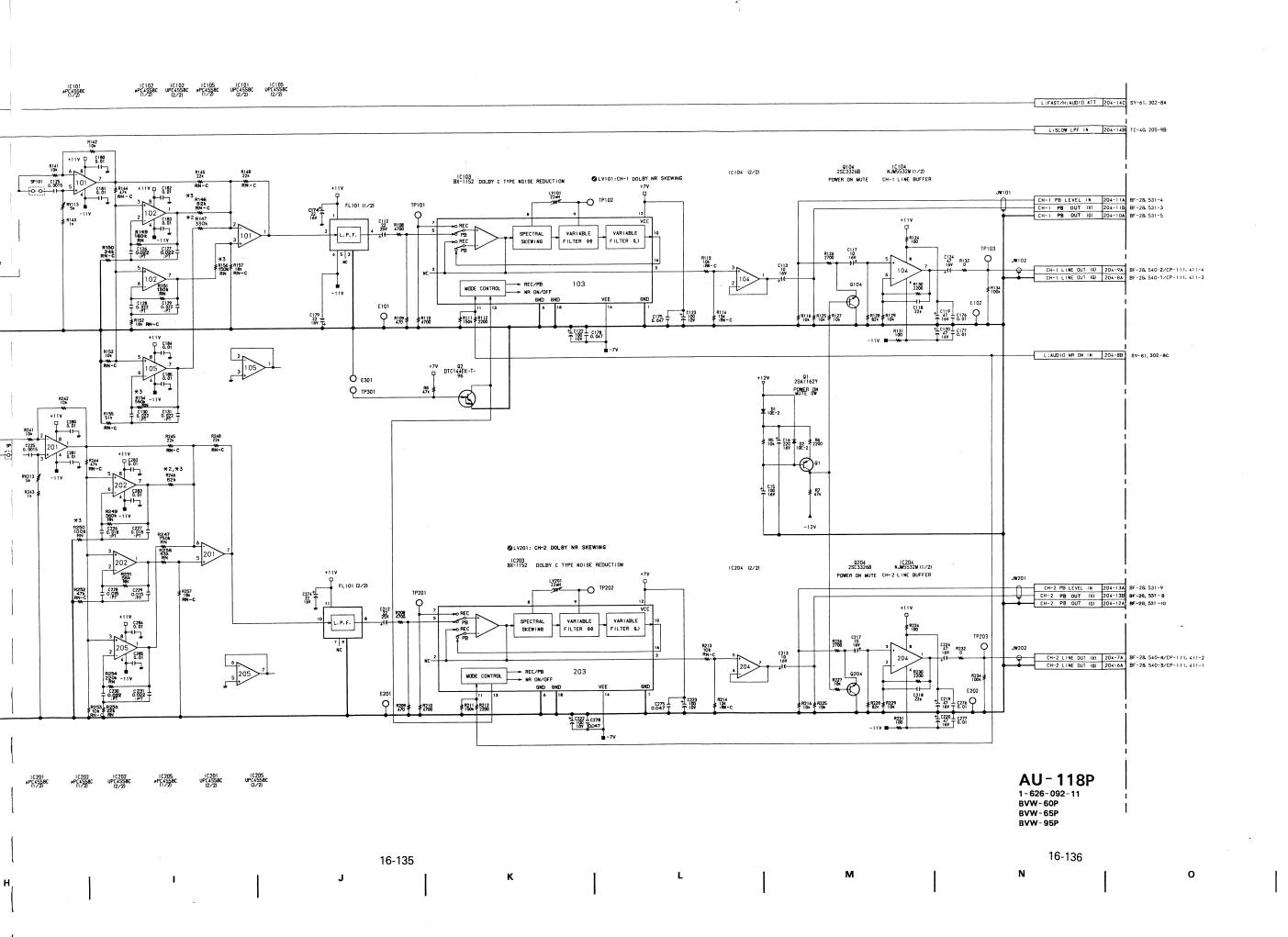
16-128

## AU-118P; LNG AUDIO HEAD AMPLIFIER

NOT

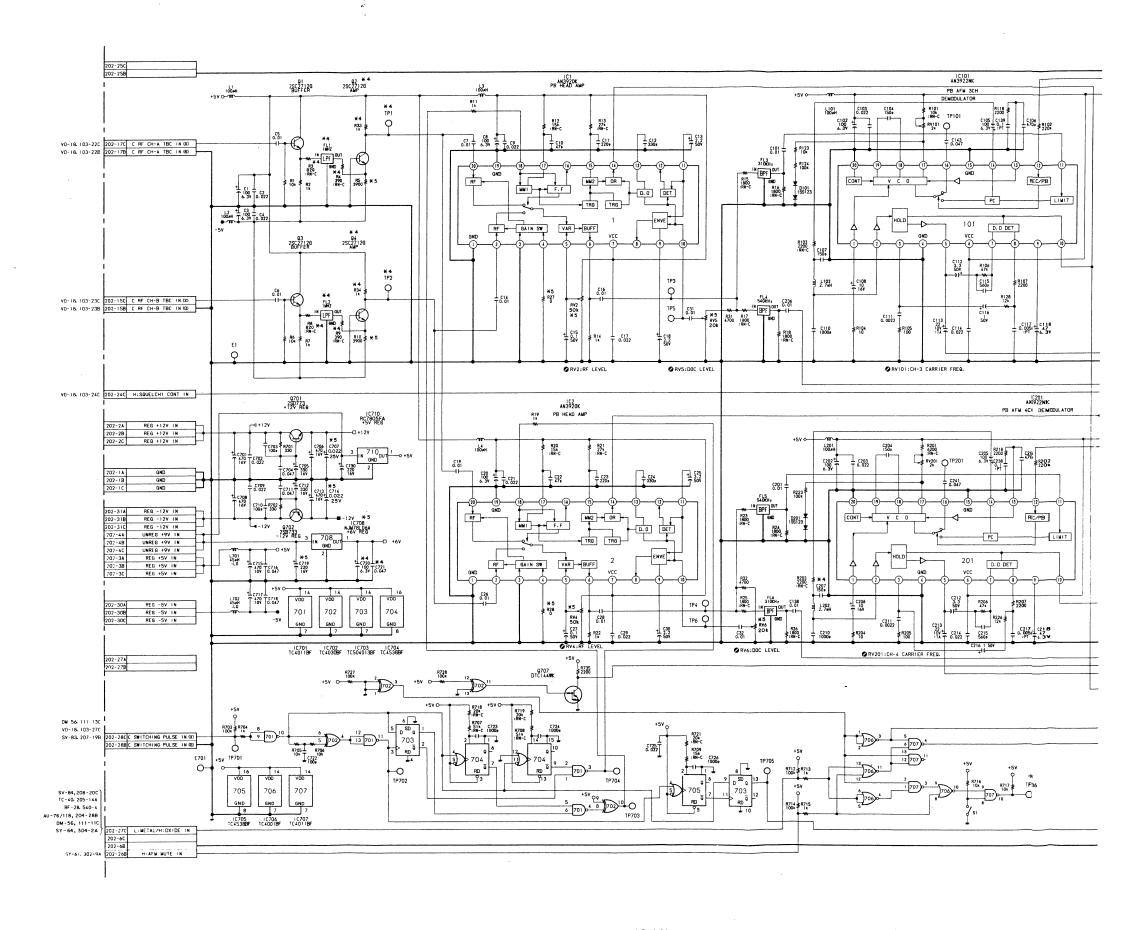
1	NUIC				
	MARK	CHANGE INFORMATION	SERIAL NO.		
	*1	C163 8200pF → 6800pF C263 8200pF → 6800pF C164 680pF → ADDED C264 680pF → ADDED	S∕N 10192 ∼		
	*2	R195 430k → R147 330k R246 330k → 180k	S∕N 11155 ∼		
	*3	R146 62k → 82k R154 330k → 560k R156 120k → 150k R246 180k → 82k R250 56k → 100k	S/N 12032 ~		



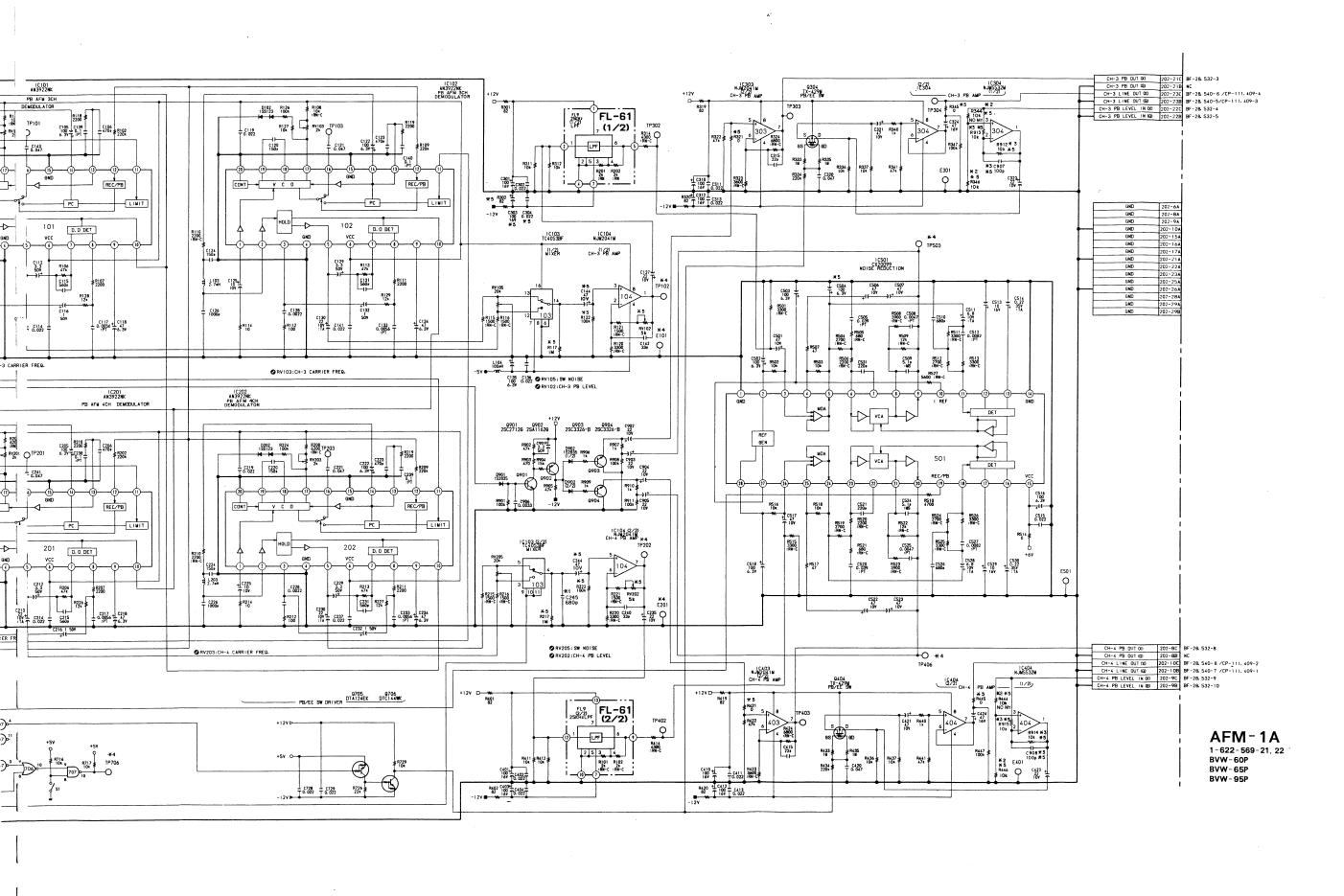


AFM-1 A; AFM AUDIO DEMODULATOR FL-61; AUDIO LPF

NOTE		
MARK	CHANGE INFORMATION	SERIAL NO.
*1	C245 680pF ADDED	S∕N 10890 ∼
*2	R344 1k DELETED R444 1k DELETED R346 100k → 0 R446 100k → 0	S/N 11340 ∼
*3	ADDED C907, C908, R912 R913, R914, R915	S∕N 11425 ~
*4	DELETED C720, C721, FL1, FL2 Q2, Q4, R4, R9, R33 R34, TP1, TP2, TP102 TP202, TP406, TP503 TP706, E101, E201 CHANGE C207 100pF → 150pF R3 390 → 820 R8 390 → 820	s/n 11677 ∼
*5	$\begin{array}{c} \text{DBLETED} \\ \text{C144, C244, C303} \\ \text{C304, C504, C719} \\ \text{C907, C908, IC708} \\ \text{R5, R10, R27, R28} \\ \text{R122, R222, R302} \\ \text{R321, R345, R421} \\ \text{R445, R912, R913} \\ \text{R914, R915} \\ \text{CHANGE} \\ \text{C707}  0.33/50V \\ & \qquad \qquad 0.022/25V \\ \text{C714}  0.33/50V \\ & \qquad \qquad 0.022/25V \\ \text{C714}  0.33/50V \\ & \qquad \qquad 0.022/25V \\ \text{C714}  100k \rightarrow 1M \\ \text{R217}  100k \rightarrow 1M \\ \text{R217}  100k \rightarrow 1M \\ \text{R344}  1k \rightarrow 10k \\ \text{R346}  0 \rightarrow 10k \\ \text{R346}  0 \rightarrow 10k \\ \text{R446}  0 \rightarrow 10k \\ \text{R44}  1k \rightarrow 10k \\ \text{R446}  0 \rightarrow 10k \\ \text{R446}  0 \rightarrow 10k \\ \text{R447}  \rightarrow 50k \\ \text{RV2}  47k \rightarrow 50k \\ \text{RV4}  47k \rightarrow 50k \\ \text{RV5}  22k \rightarrow 20k \\ \text{RV6}  22k \rightarrow 20k \\ \text{RV102}  4700 \rightarrow 5k \\ \text{RV202}  4700 \rightarrow 5k \\ \text{RV202}  4700 \rightarrow 5k \\ \end{array}$	s/n 11852 ∼



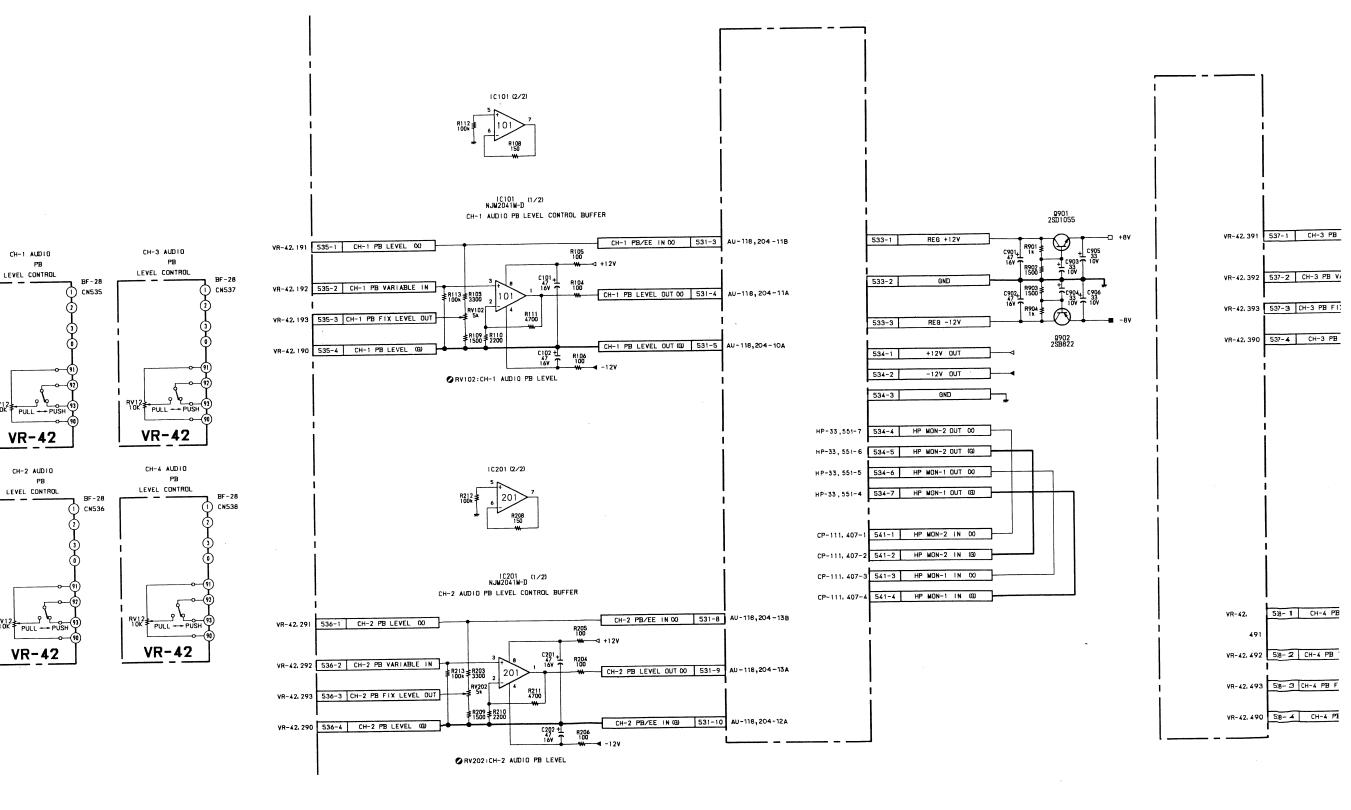
16-142 16-141



16-143

H | J | K | L | M | N | O |

BF-28A (1/2); AUDIO PB LEVEL CONTROL VR-42; AUDIO PB VOLUME



16-148

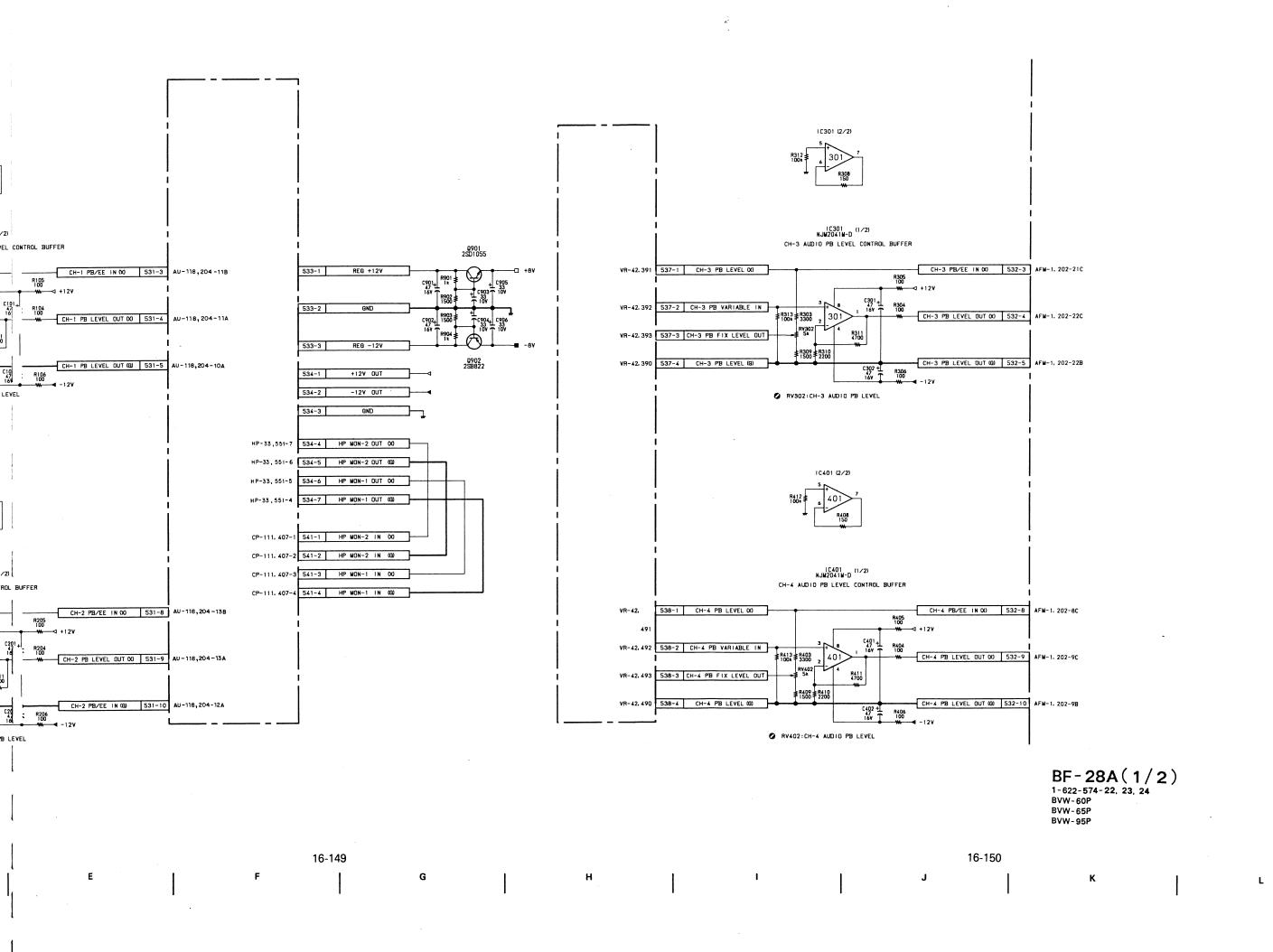
E

16-149

G

į

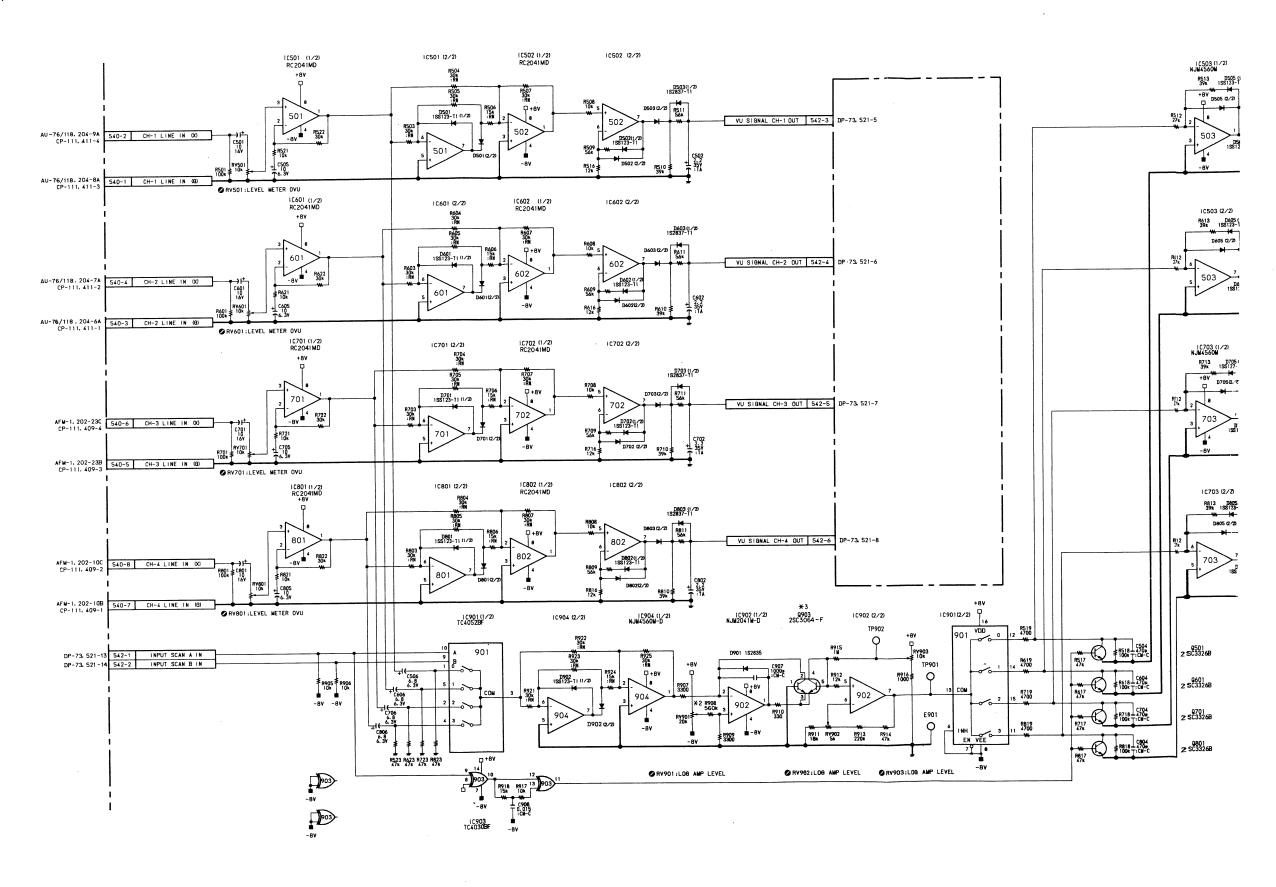
^



BF-2

NOTE

	MARK	СНА	NGE INFORMATION	SERIAL NO.
	*1	R926 R927 R928 R929	O ADDED O ADDED	S/N 10544 ∼
	*2	R908	1M → 560k	S/N 12112 ~
	*3	Q903	2SC2259-G → 2SC3064-F	S∕N 12770 ∼



16-154

D

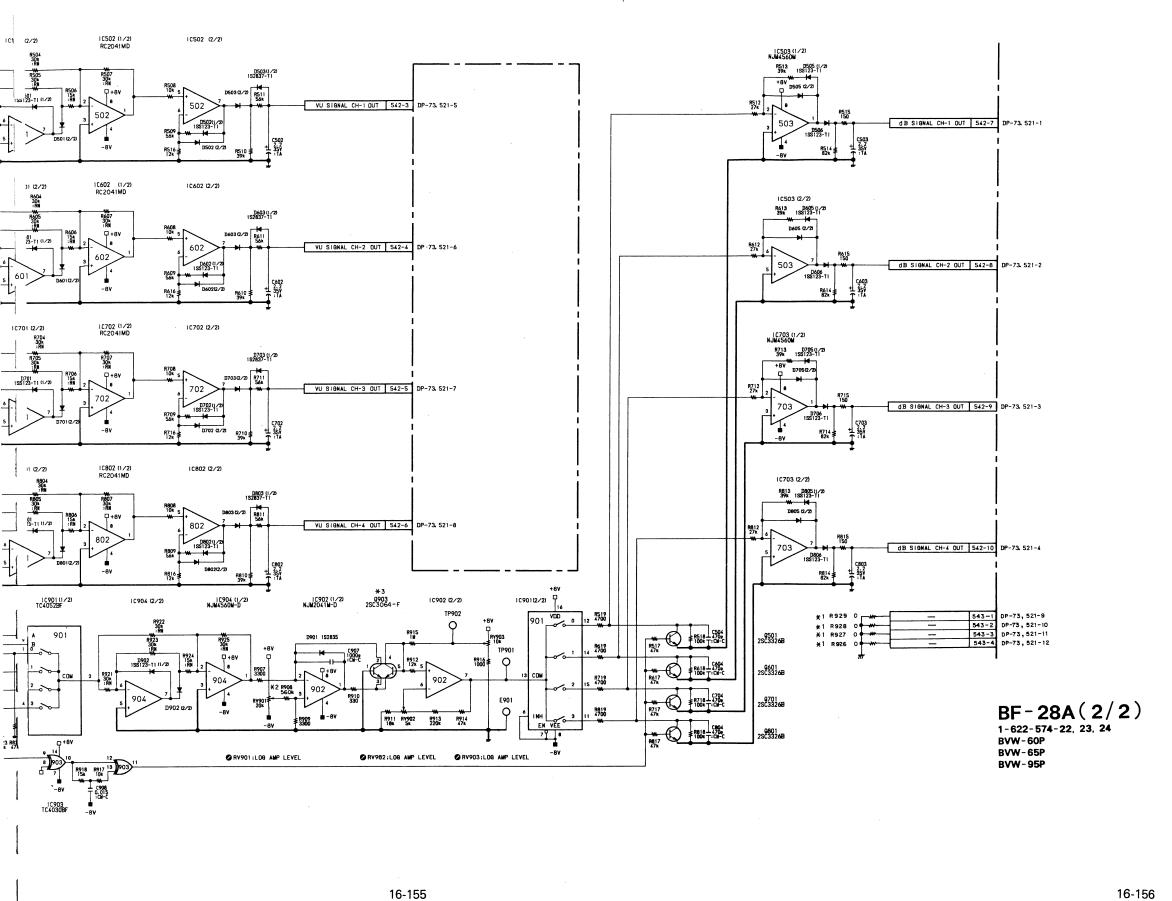
:

16-155

G

Н

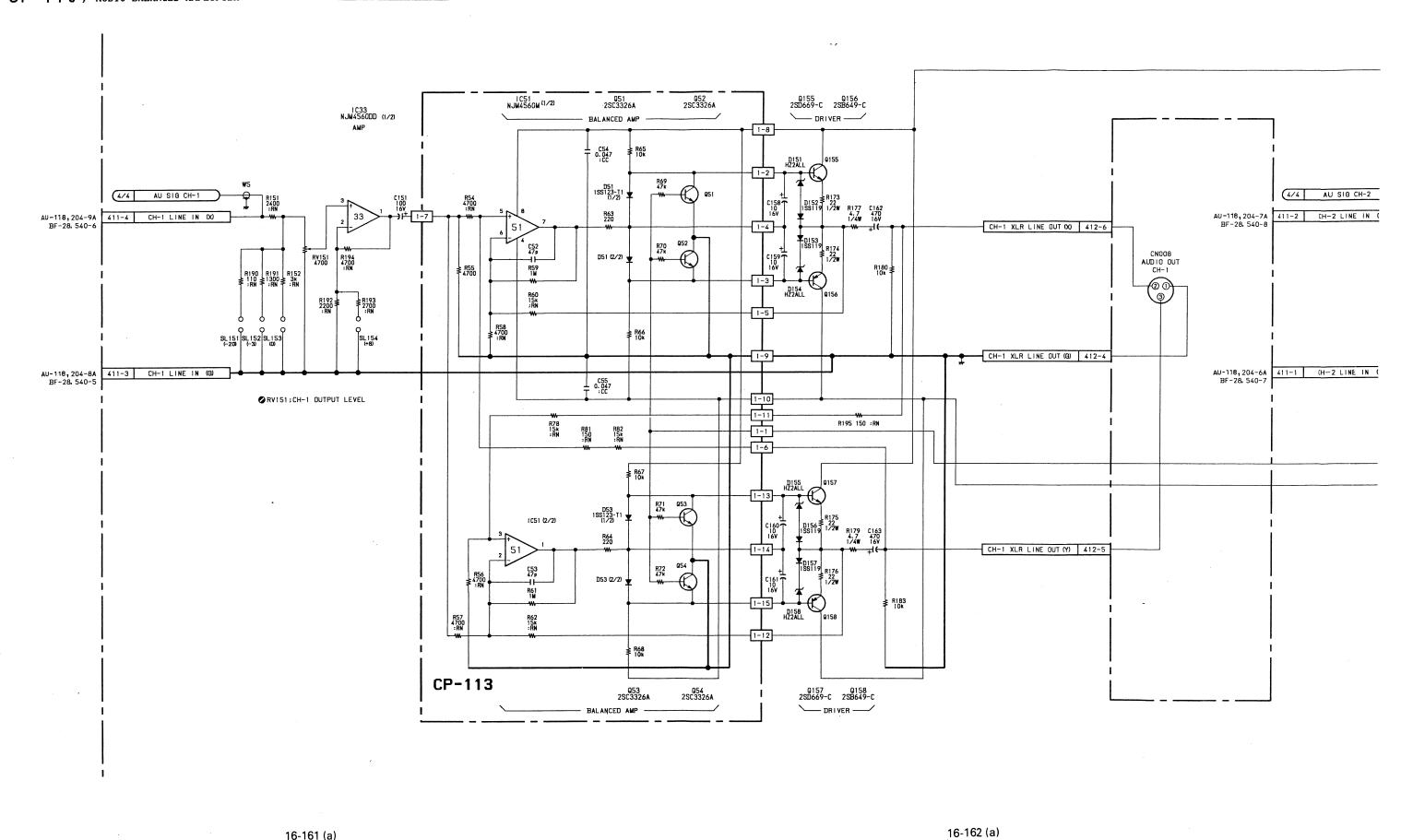
Α



CP-111 (1/4); AUDIO OUTPUT AMPLIFIER/PRIVER CP-113; AUDIO BALANCED AMPLIFIER

Up to S/N 12854

16-161 (a)



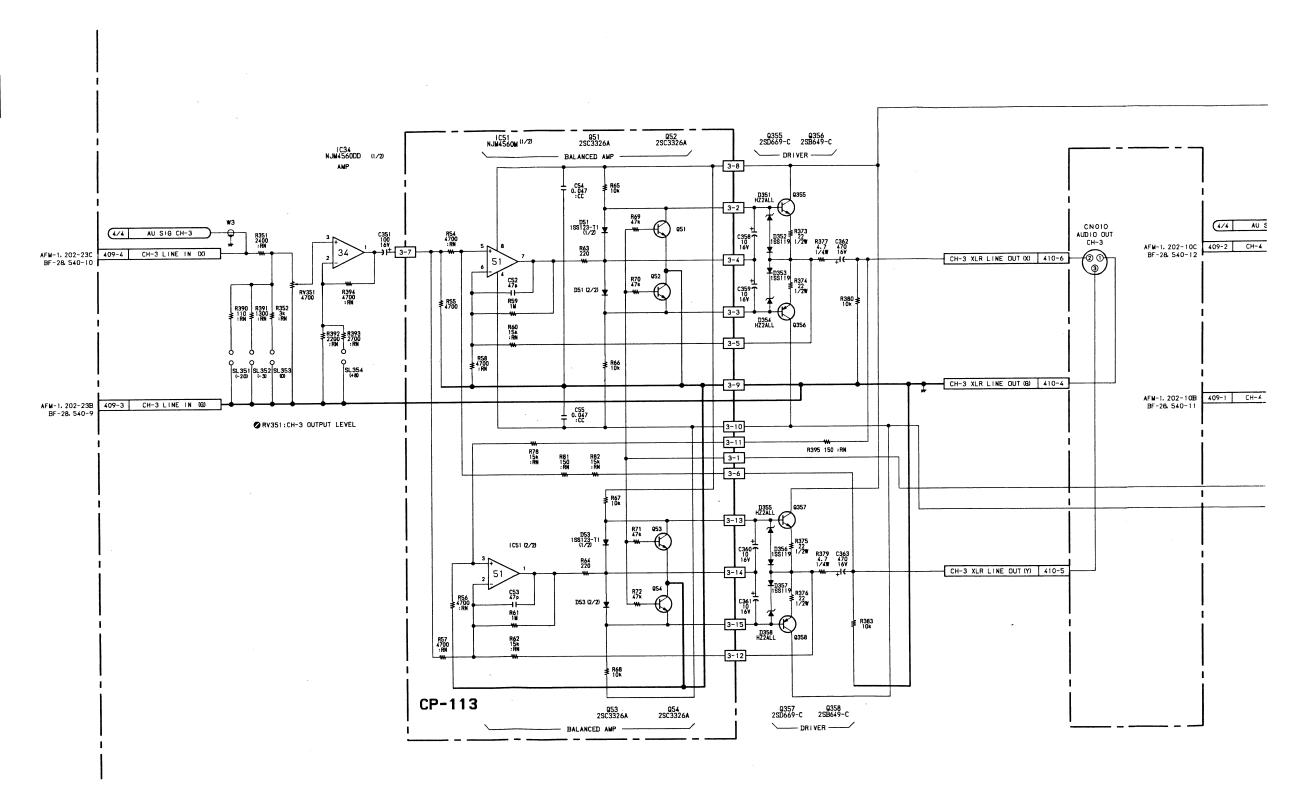
CP-1 1 1 (2/4); AUDIO OUTPUT AMPLIFIER/DRIVER CP-1 1 3; AUDIO BALANCED AMPLIFIER

Up to S/N 12854

NOTE

1

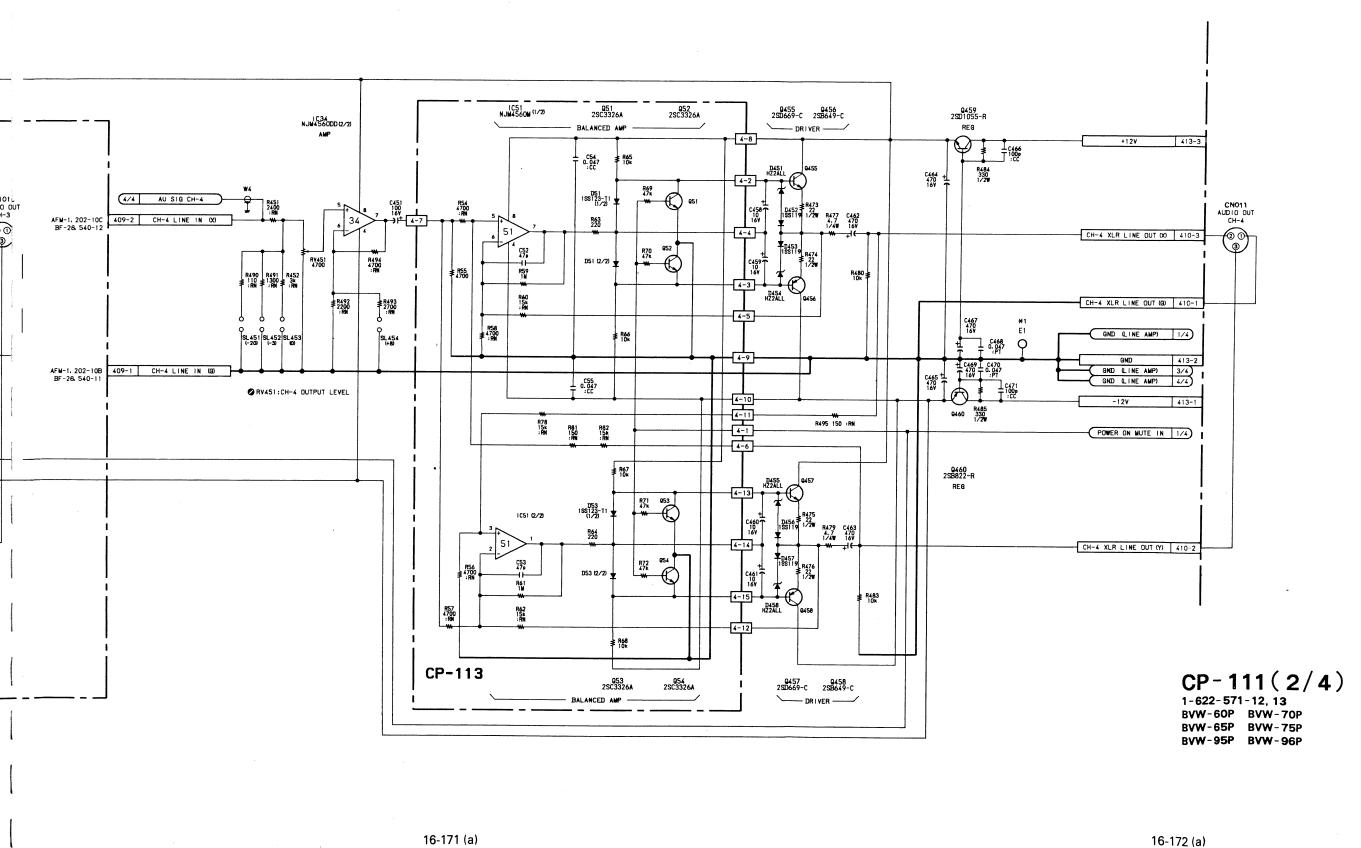
MARK	CHANGE INFORMATION	SERIAL NO.
*1	F1 DELETED	S/N 11340 ~

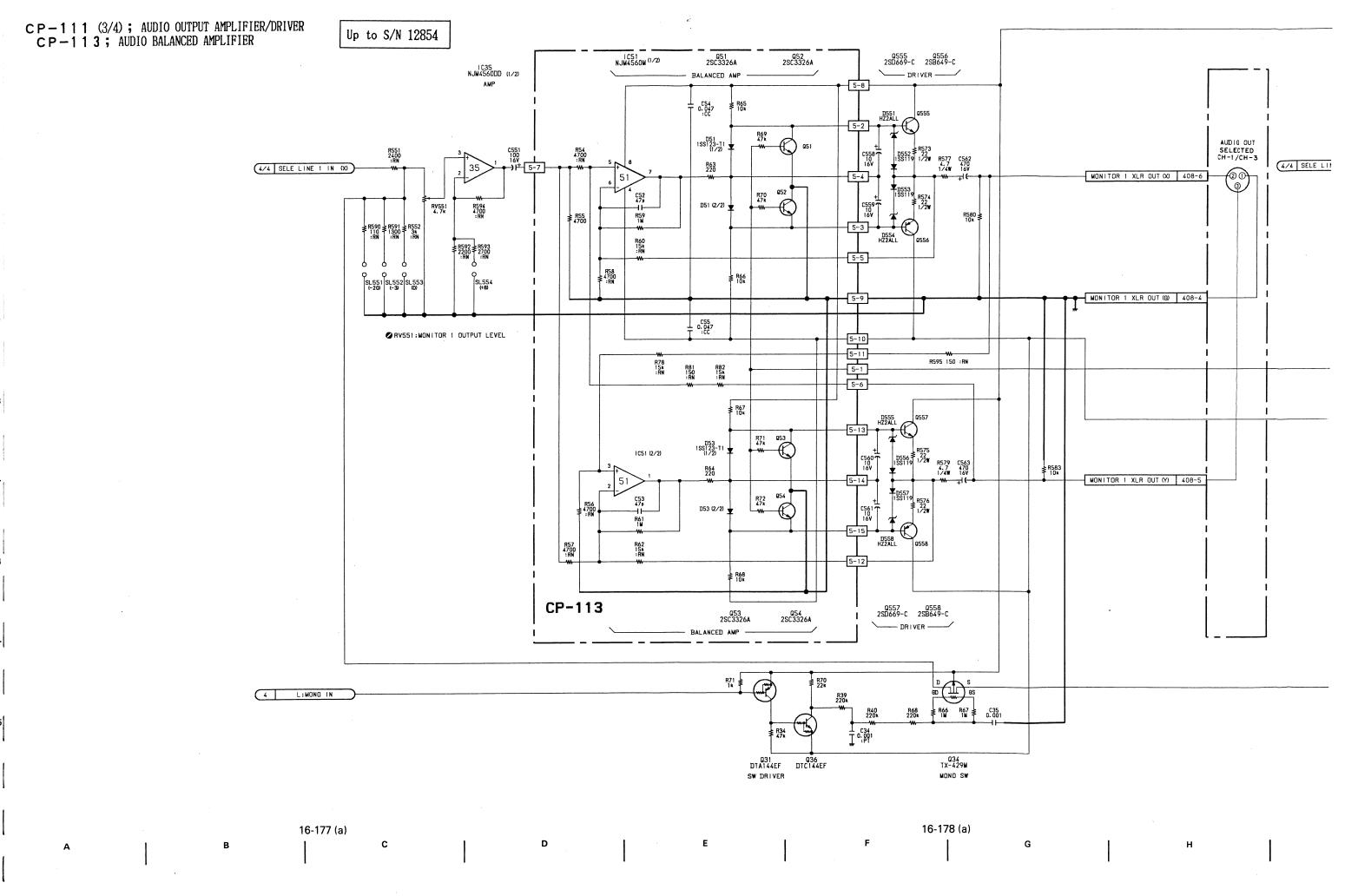


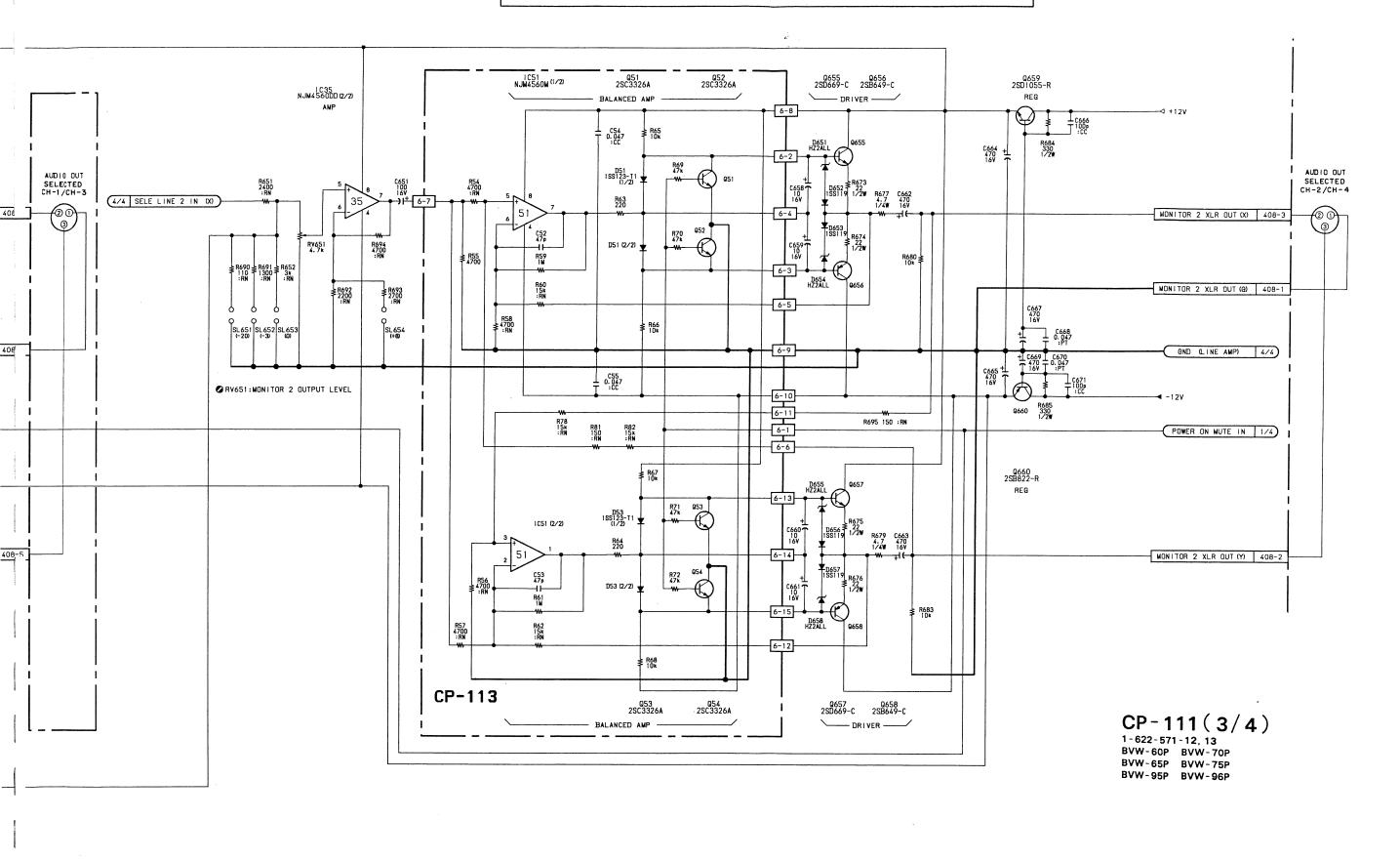
16-169 (a)

B C D E F G H

Α







16-179 (a)

K

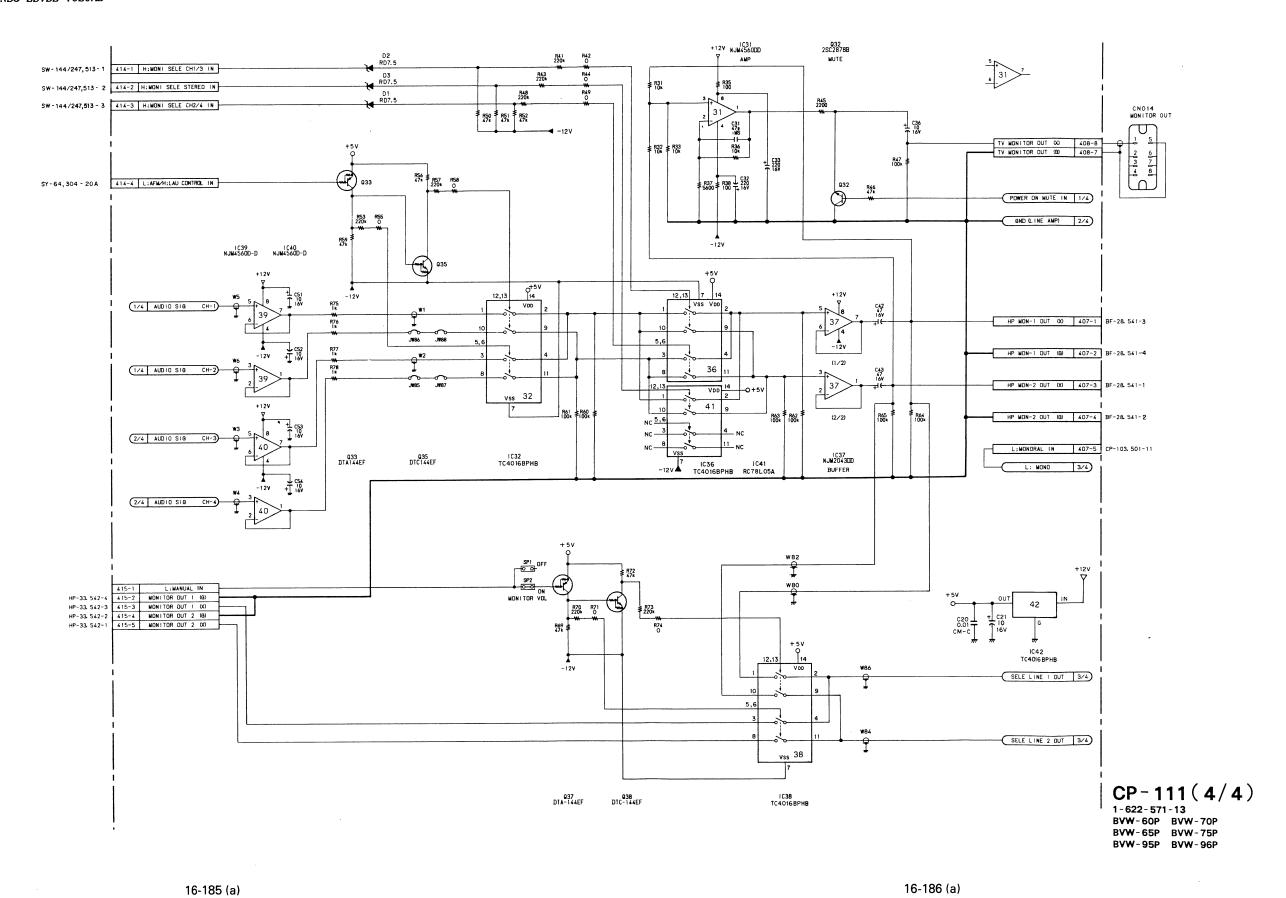
N

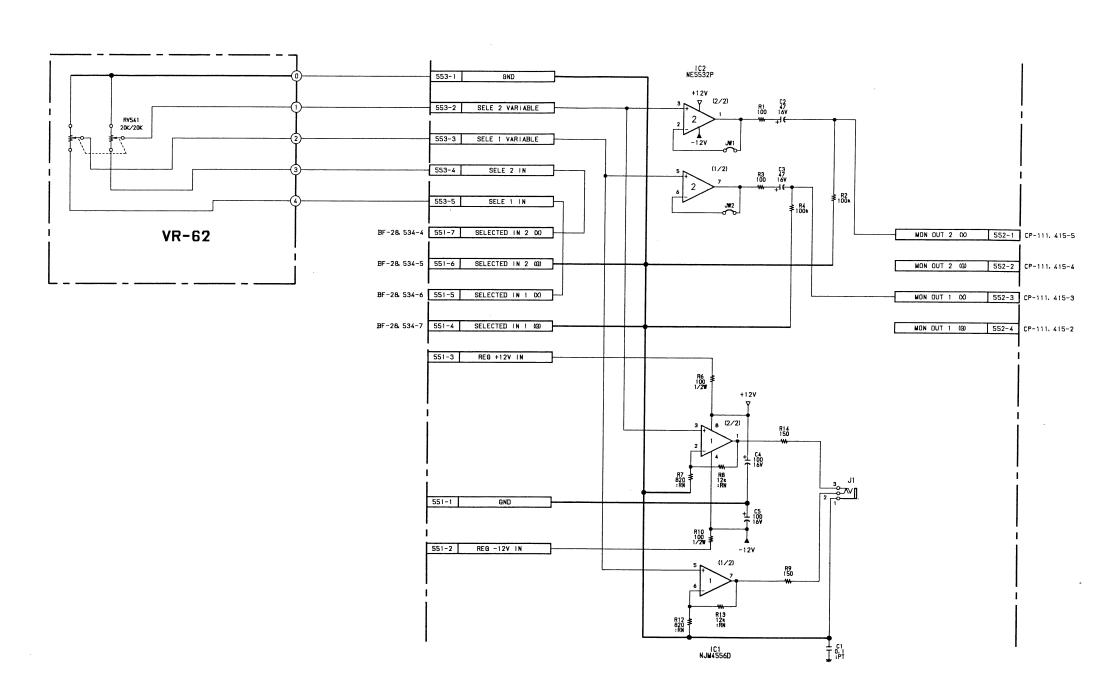
O

P-1 1 1 (4/4); AUDIO MONITOR SELECT/OUTPUT HP-3 3; HEADPHONES AMPLIFIER/JACK

VR-62; HEADPHONES LEVEL VOLUME

Up to S/N 12854





**HP-33**1-622-590-13
BVW-60P BVW-75P
BVW-65P BVW-96P

16-187 (a) 16-188 (a)

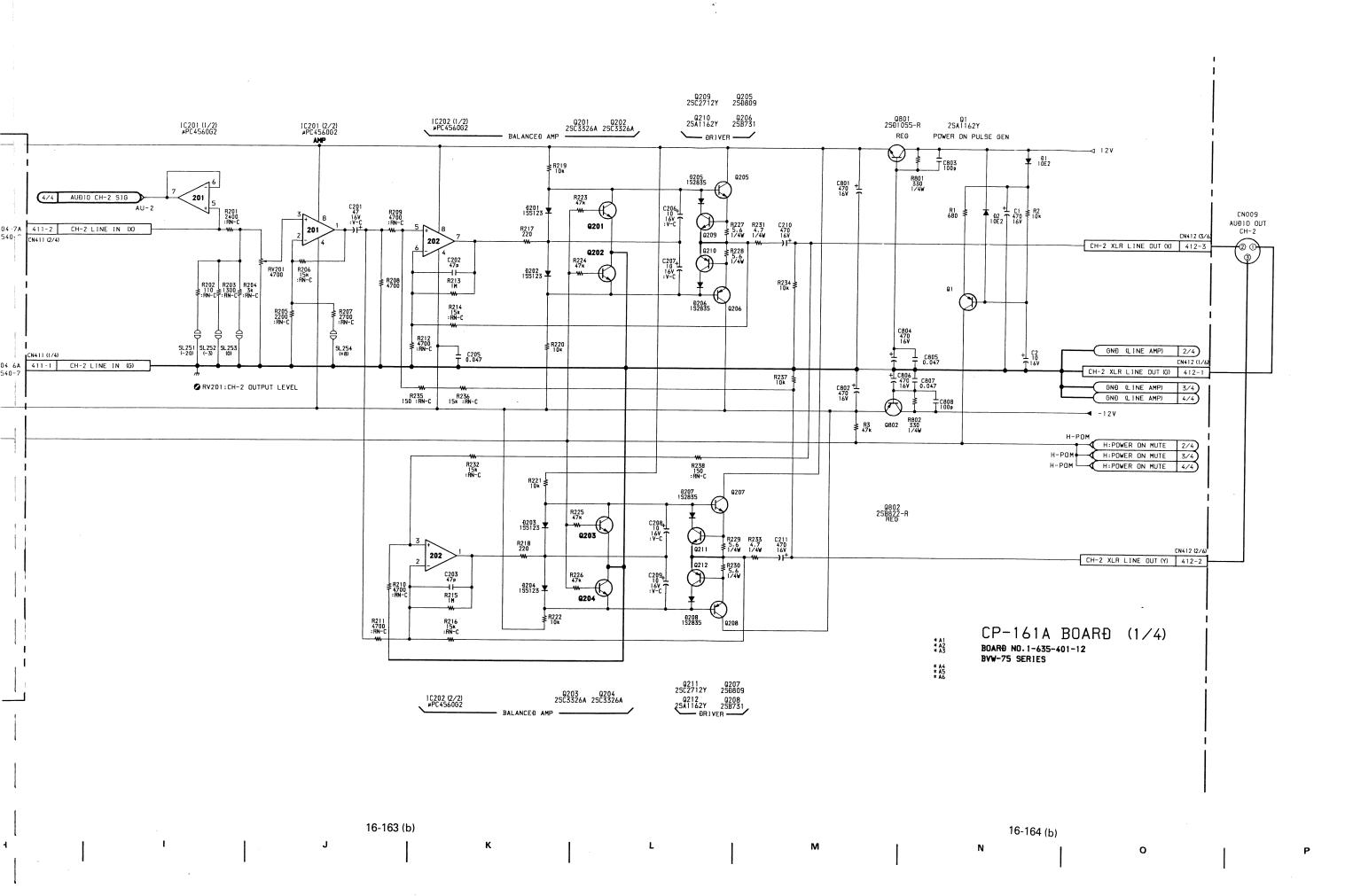
/4)

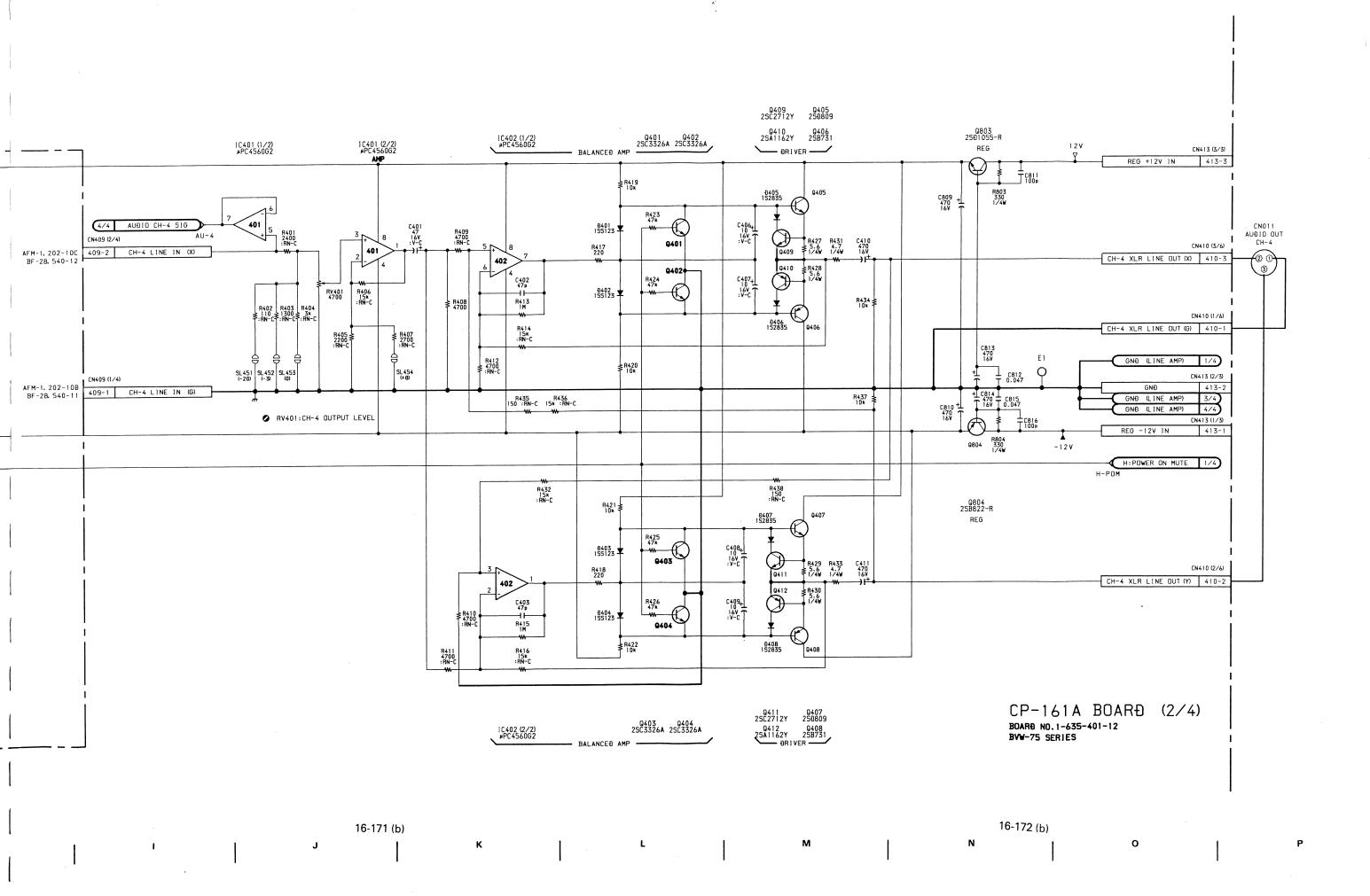
 $\mathsf{CP} - \mathsf{1} \mathsf{6} \mathsf{1} \mathsf{A} \mathsf{(1/4)}$ ; AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER S/N 12855 and higher 0109 0105 2502712Y 250809 Q110 Q106 2SA1162Y 2SB731 0101 0102 25C3326A 25C3326A DRIVER -- BALANCED AMP 0105 152835 R123 47k 4/4 AUÐ10 CH-2 SIG 4/4 AUÐ10 CH-1 SIG 19101 155123 ¥ R127 R131 0109 ₹1/4w 1/4w AU-76. 204-9A BF-28. 540-6 CN411 (4/4) CN412 (6/6) CH-1 XLR LINE OUT (X) 412-6 102 R124 47k R106 15k :RN-C RV101 4700 155123 ¥ AUÐIO OUT CH-1 ₹ R108 ₹ 4700 R113 Ð106 152835 R114 15k :RN-C ₹ R107 2700 :RN-C R112 4700 :RN-C FR120 ₹ 10k AU-76, 204-8A BF-28, 540-5 CH-1 LINE IN (G) CH-1 XLR LINE OUT (G) 412-4 AU 76, 204 6A BF-28, 540-7 411-1 CH-2 LINE IN (G) R137 ≸ R136 15k :RN-C R135 150 :RN-C RV101;CH-1 OUTPUT LEVEL R132 15k :RN-C R138 150 :RN-C R121 ≱ Q103 155123 ¥ R118 220 CH-1 XLR LINE DUT (Y) 412-5 102 155123 Q111 Q107 25C2712Y 250809 Q103 Q104 25C3326A 25C3326A IC102 (2/2) #PC4560G2 Q112 2SA1162Y 2SB731 BALANCEÐ AMP -DRIVER -16-162 (b) 16-161 (b)

CP-161A(1/4)

CP-161A(1/4)

2





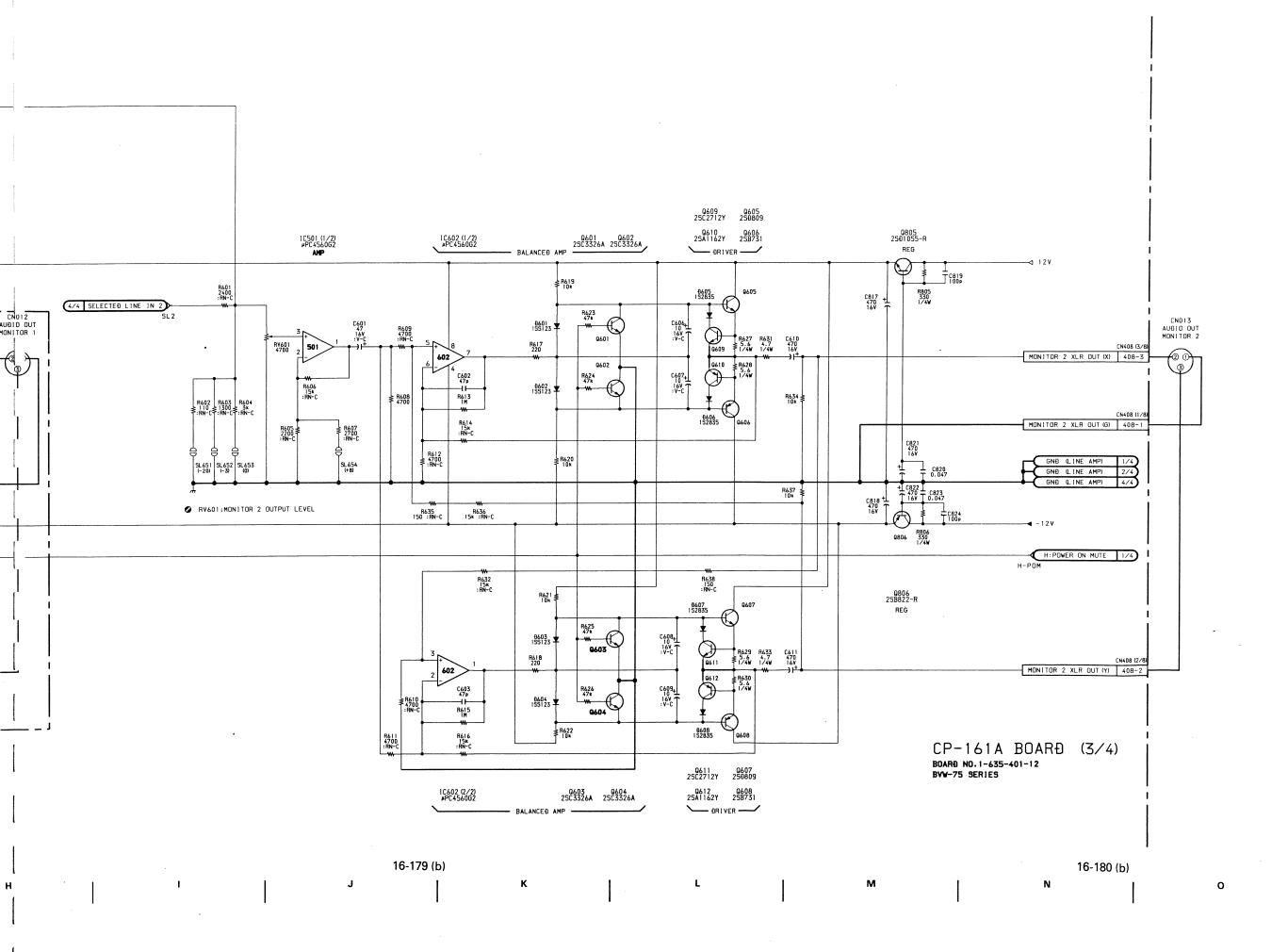
1

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4

5

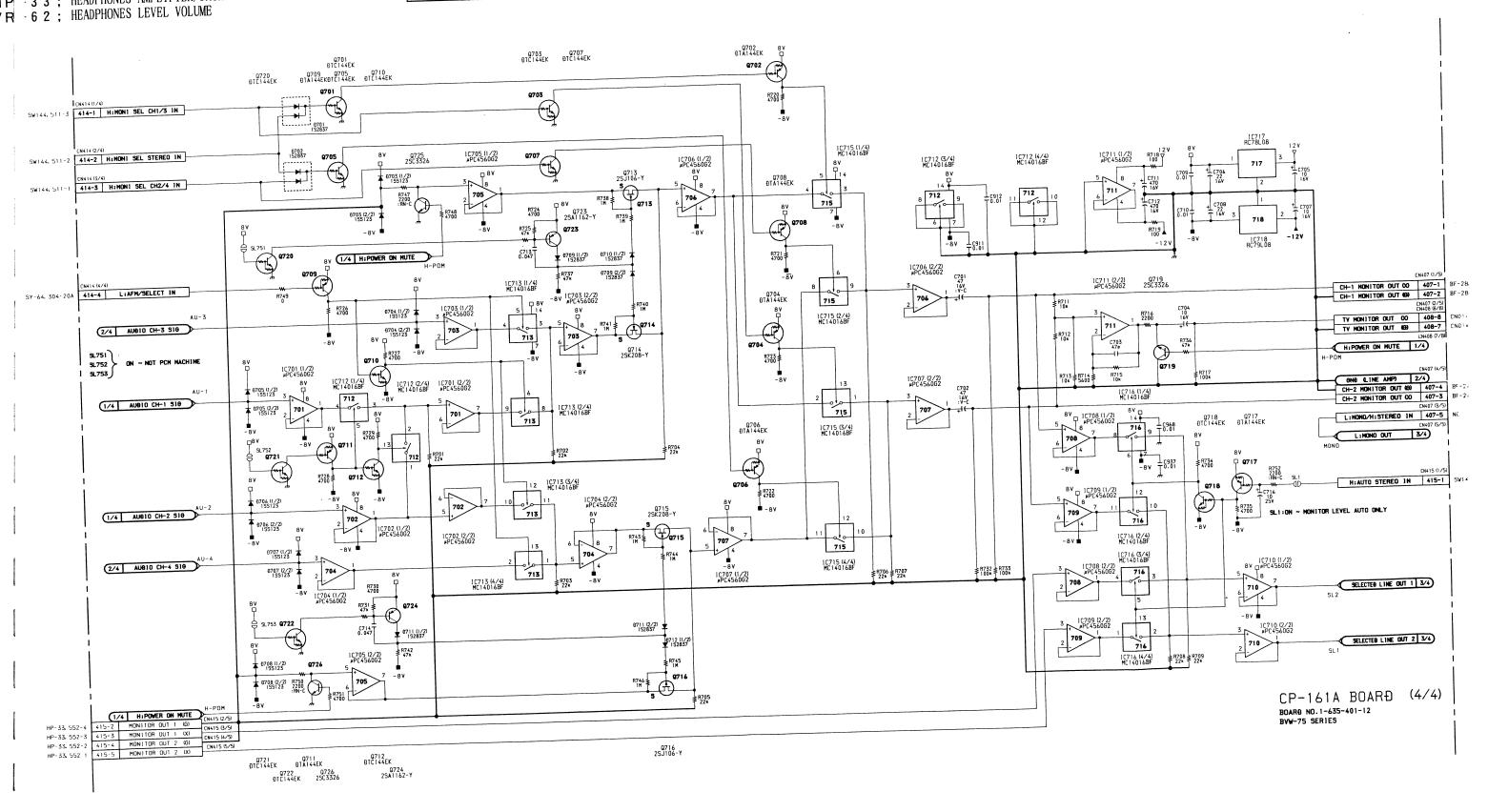
The same of the sa



P-1 6 1 A (4/4); AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER

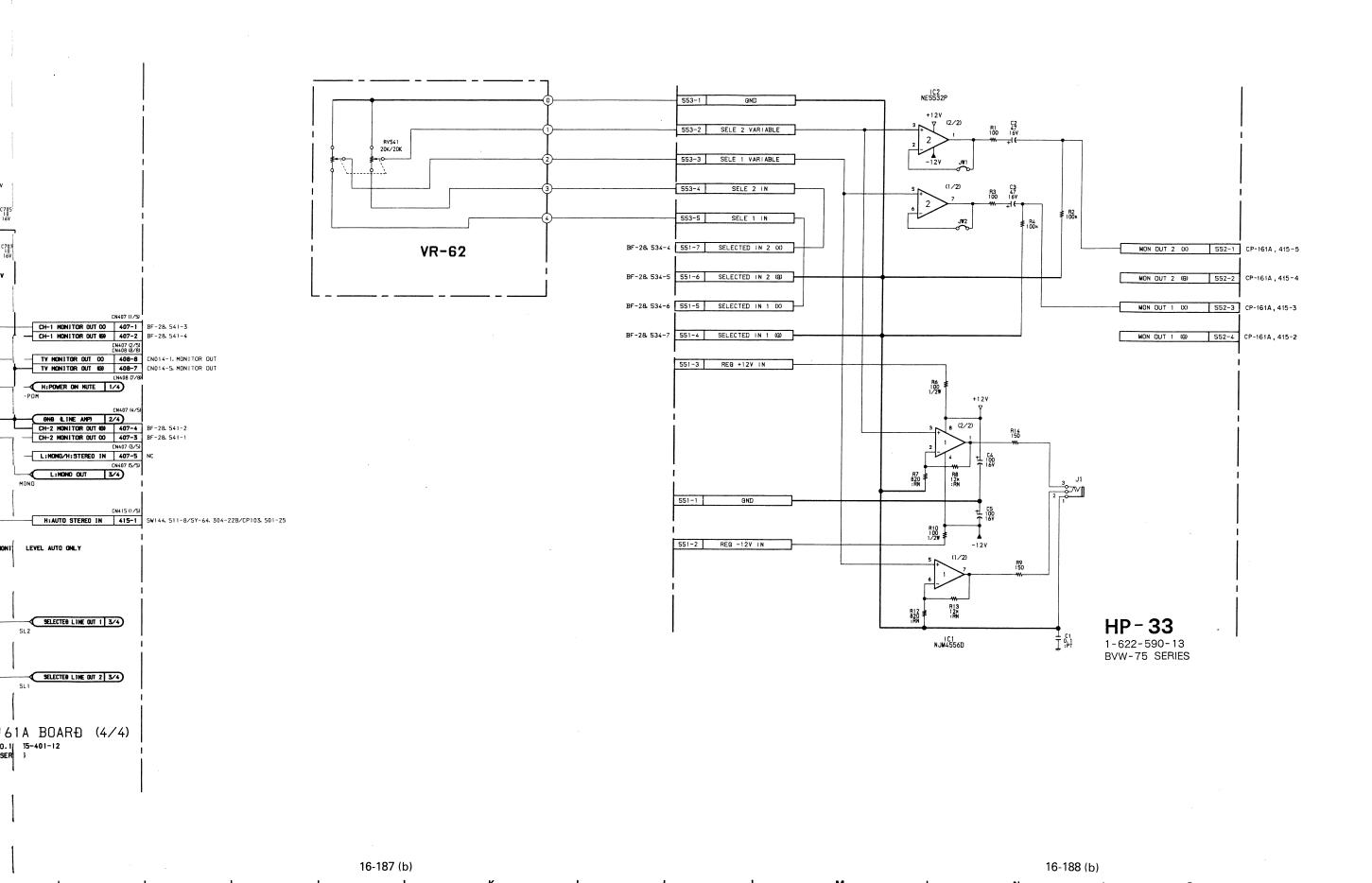
S/N 12855 and higher

P 3 3 ; HEADPHONES AMPLIFIER/JACK



16-186 (b) Ε

16-185 (b)

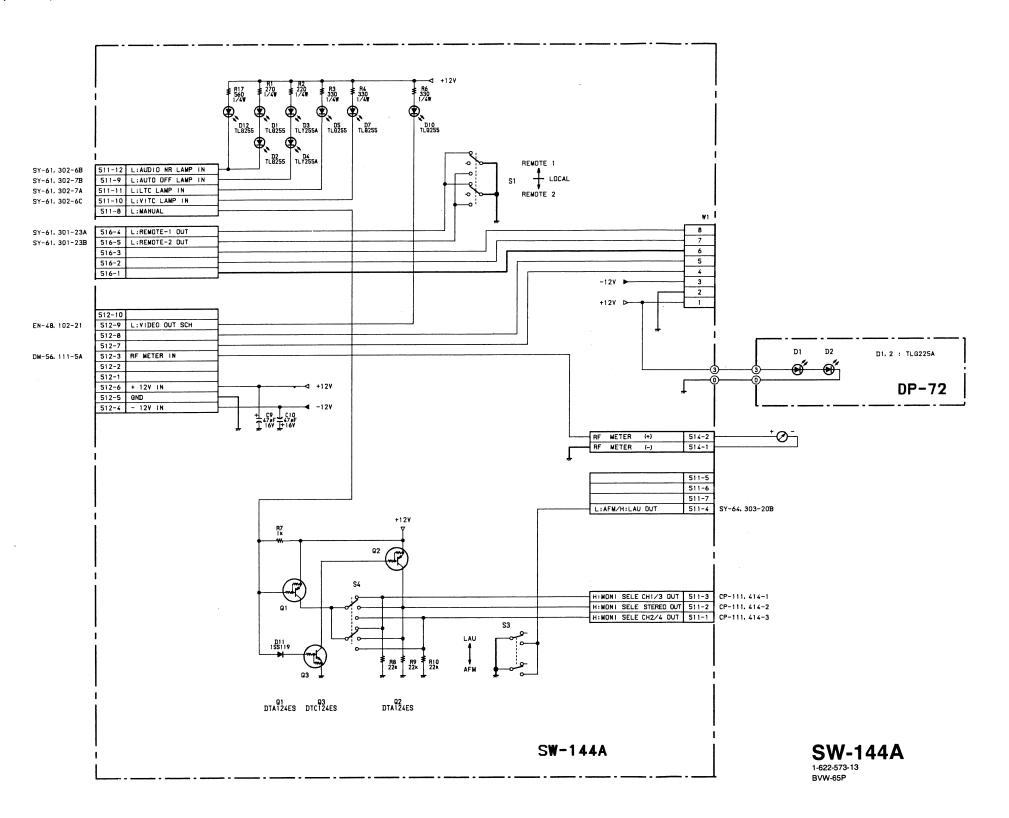


SW-144A; SELECT SWITCH/DISPLAY

DP-72; RF METER LED

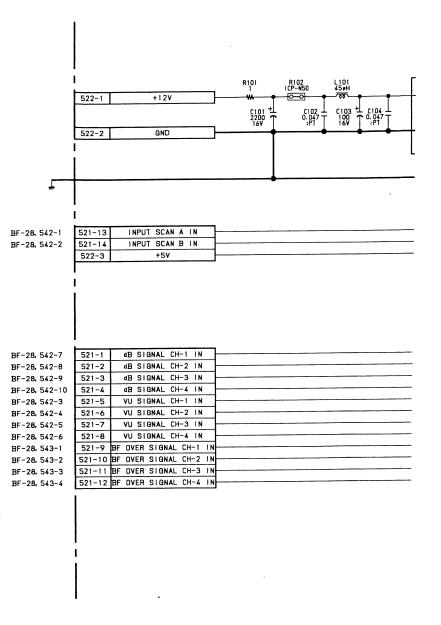
DP-74; AUDIO LEVEL METER CONTROLLER/DRIVER

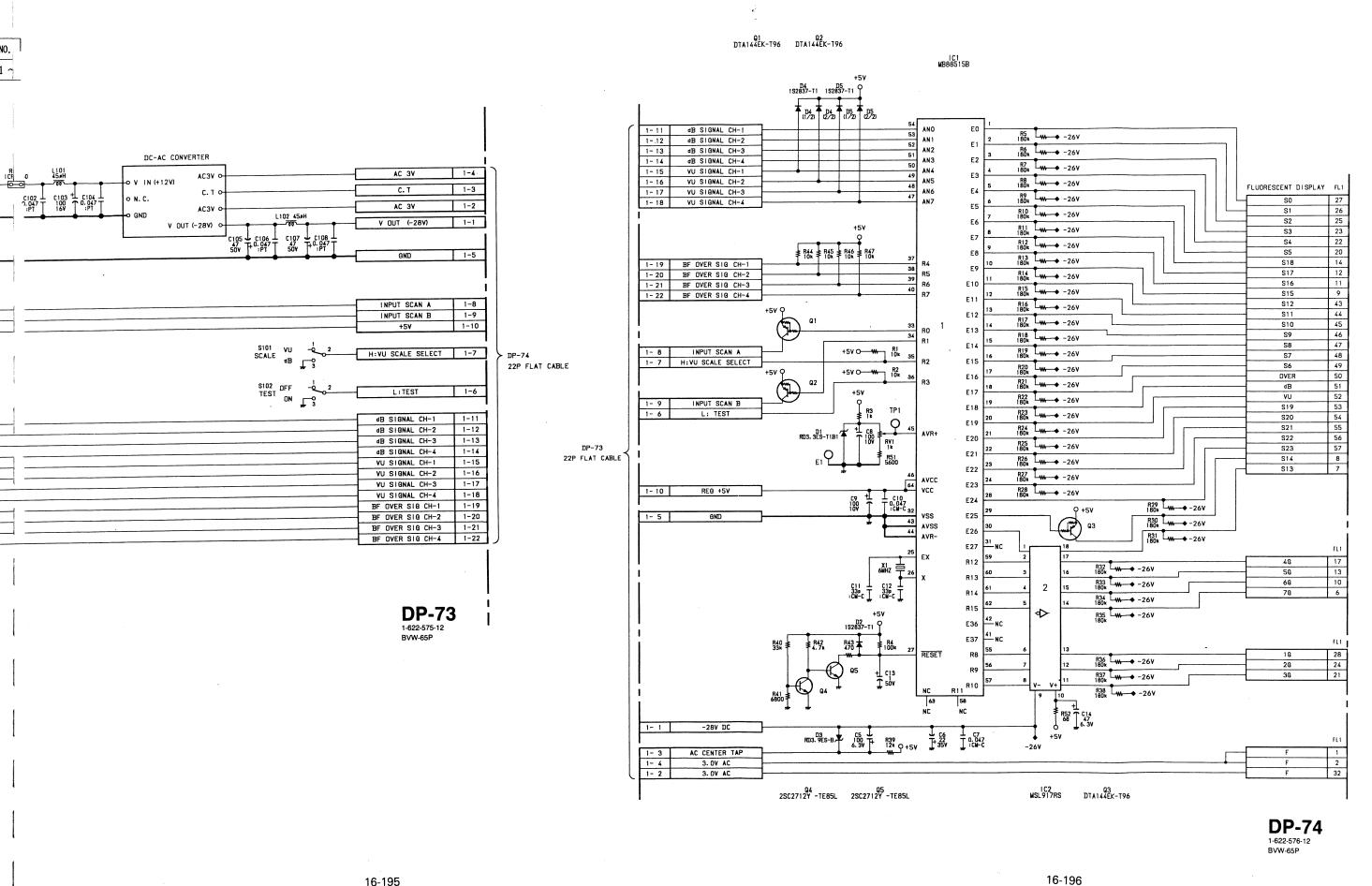
DP-73; DC-AC/DC CONVERTER



16-193

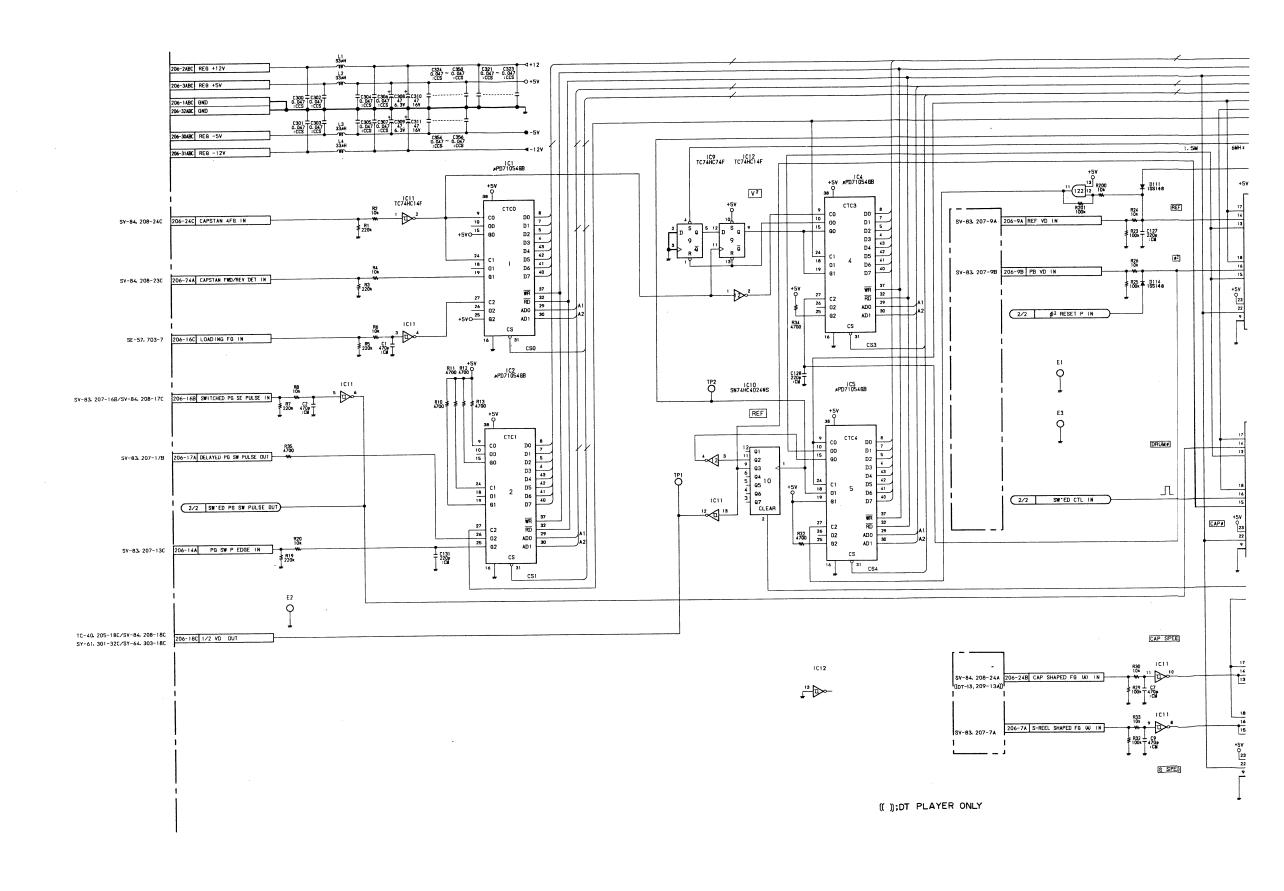
MARK CHANGE INFORMATION SERIAL NO. S/N 10191 -\*1 L103 47 µH ADDED





О

SV-82A (1/2); COUNTER



16-200

C

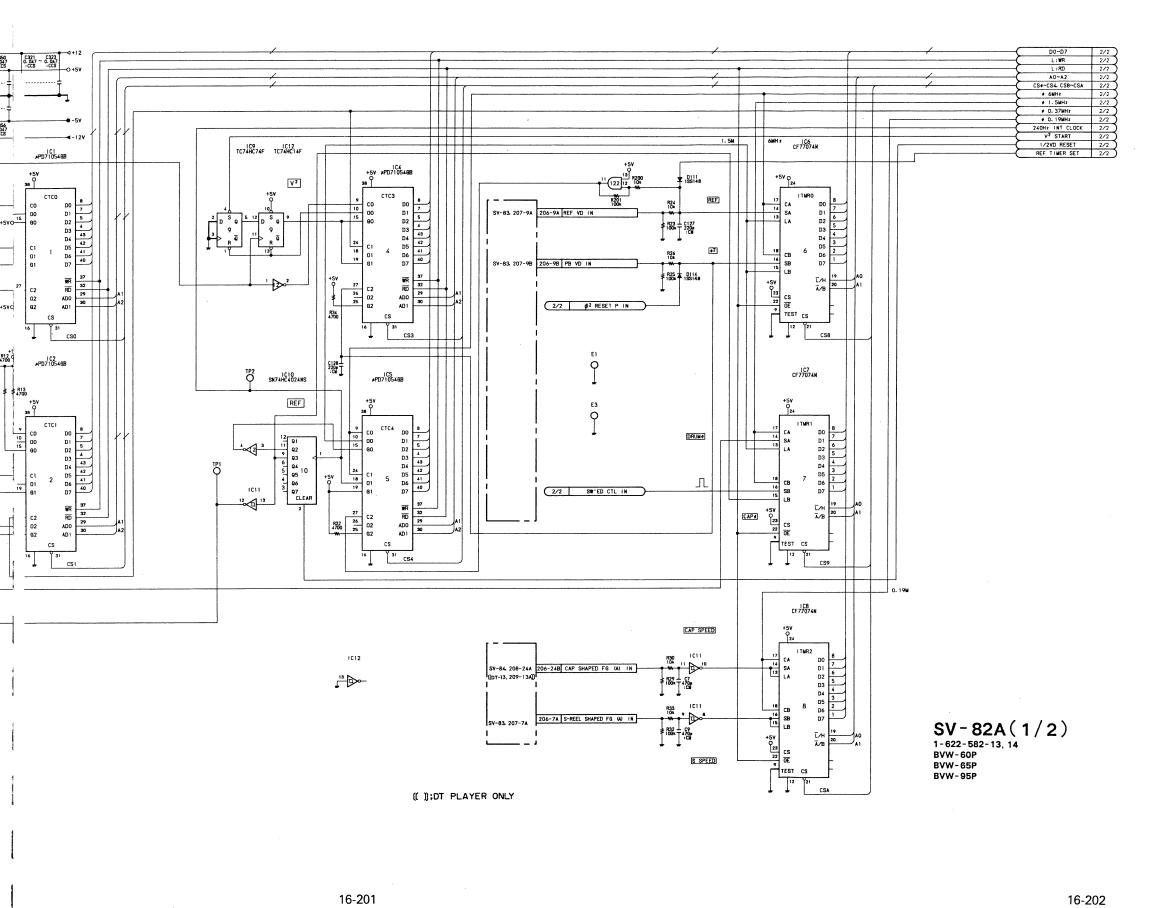
B

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SV-8:

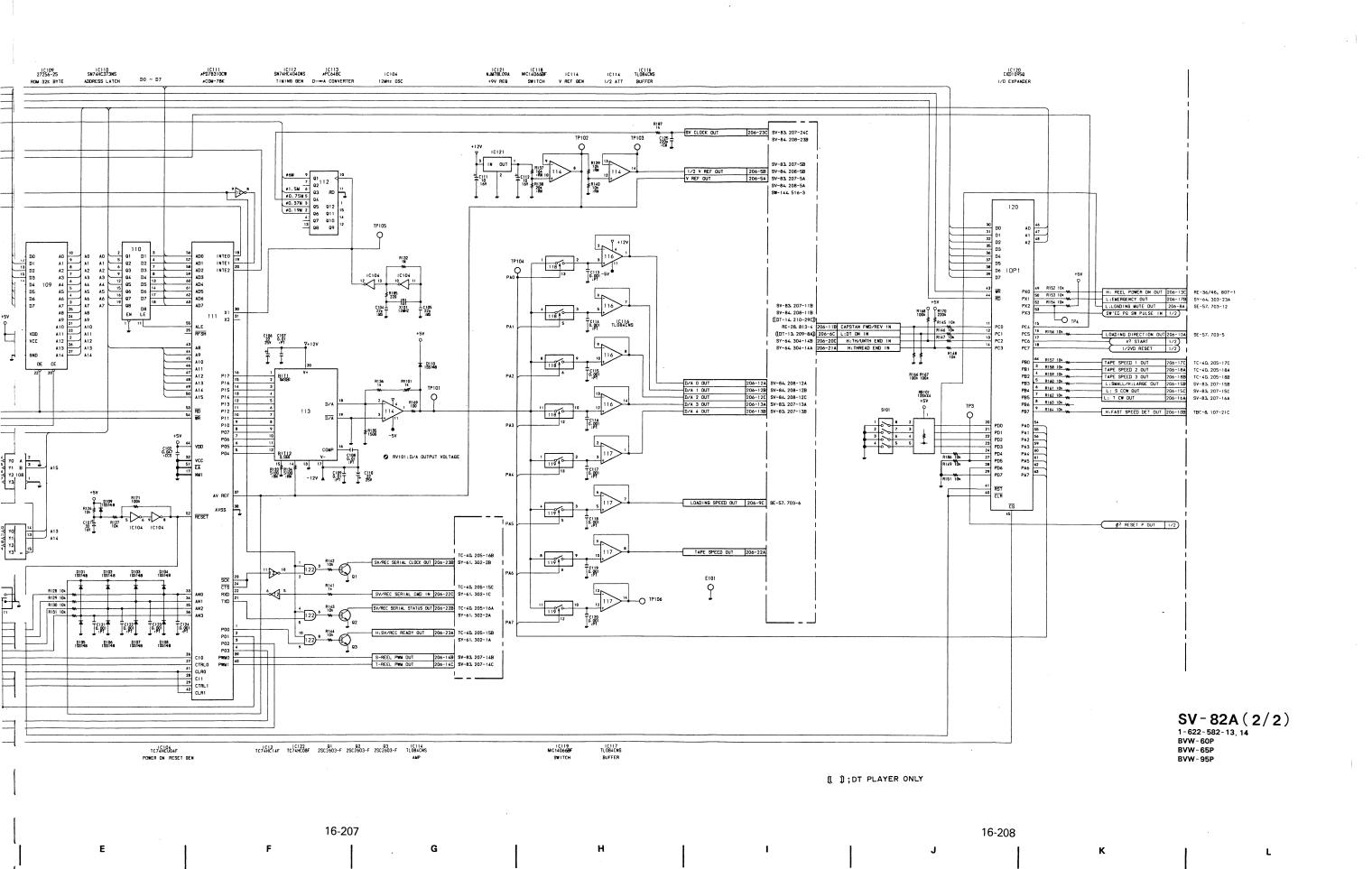
SV - 82A (2/2); MICROCOMPUTER SERVO

MARK CHANGE INFORMATION SERIAL NO.

\*1 D1 1SS119 ADDED S/N 10192 ~
D2 1SS119 ADDED

16-206

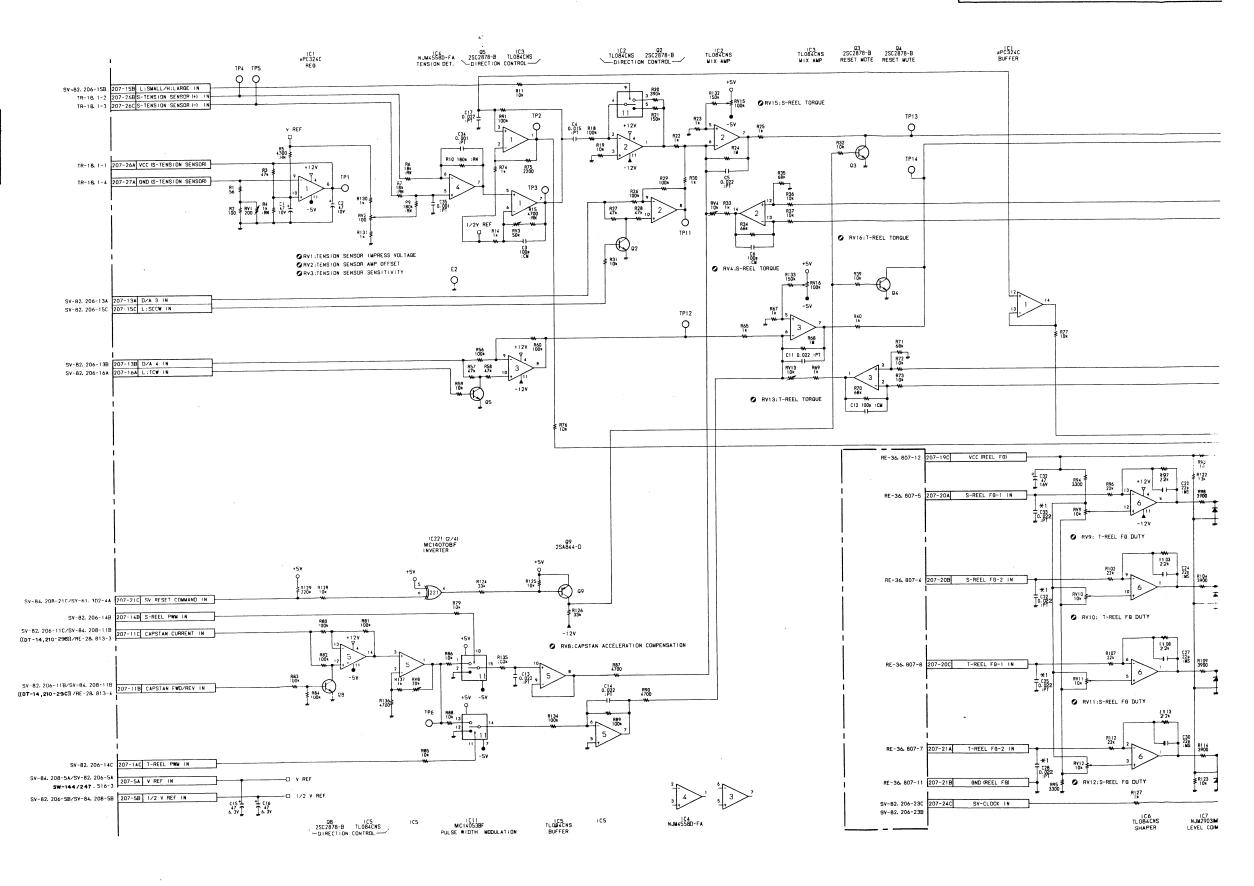
IC110 SN74HC373NS ADDRESS LATCH IC101 IC102 SN74HC245NS IC74HC244F DATA TRANSCEIVER ADDRESS/CONTROL SIGNAL BUFFE IC111 #PD78310CW 2 A0 ~ A2
2 CSO-CS4. CSB-CSA
2 6 MHZ
2 1.5 MHZ
2 0.37 MHZ
2 0.19 MHZ SY-61, 302-3A 206-10C H:SY SERIAL REQUEST IN 1/2 SW'ED CTL OUT SV-84. 208-25A SV-84. 208-25B SV-84. 208-25C SV-84. 208-26A SV-84. 208-26B SV-84. 208-26C SY-84. 208-27A SV-84. 208-27B 206-25A DO IN/OUT
206-25B D1 IN/OUT
206-25C D2 IN/OUT
206-26A D3 IN/OUT
206-26B D4 IN/OUT
206-26C D5 IN/OUT
206-27A D6 IN/OUT
206-27B D7 IN/OUT ₹R185 220 SV-84, 208-28C SV-84, 208-29A SV-84, 208-29B SV-84, 208-29C BITI 2 MSB) 206-29A L:RD OUT 206-29B L:WR OUT 206-29C SERVO RESET OUT C130 RV103: CAPSTAN STOP SERVO -12V C109 C110 -12V C109 C110 -12V C110 -12V C110 RV103 50k RM-48/57, 450-33 (BVW-60/60P ONLY) SW-144, 516-2 (BVW-60/60P ONLY) SW-144, 516-1 1 122 3 R142 W D103 1SS148 D102 155148 D101 ISS148 10104 SV-84. 208-8B/SV-83. 207-7B R118 R119 T6.1891 T6.1891 T6.1891 T6.1891 206-7C S-REEL REV/FWD DET R120 R121 100 R120 D106 D107 ISS148 ISS148 206-14B SV-83, 207-14B 206-14C SV-83, 207-14C SV-83. 207-8B SV-83. 207-80 1C12 1C74HC14F TC74HC08F 2SC2603-F 2SC2603-F 2SC2603-F 1L084CNS 1C106 1C107 1C108 TC74HC138F TC74HC138F TC74HC139F TC74HCU04F POWER ON RESET GEN 1C104 TC74HCU04F IC103 MC14052BF



## SV-83B (1/2); REEL SERVO

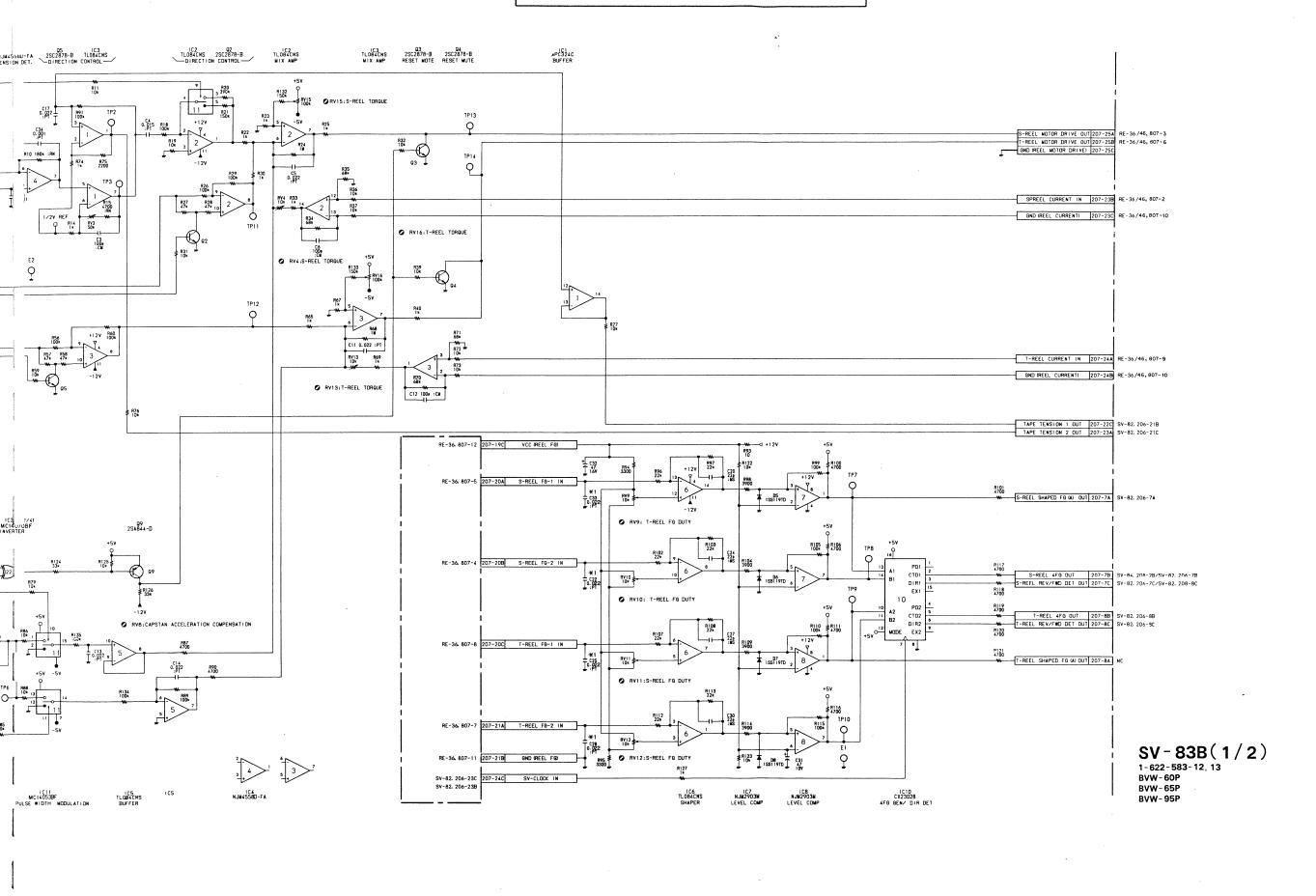
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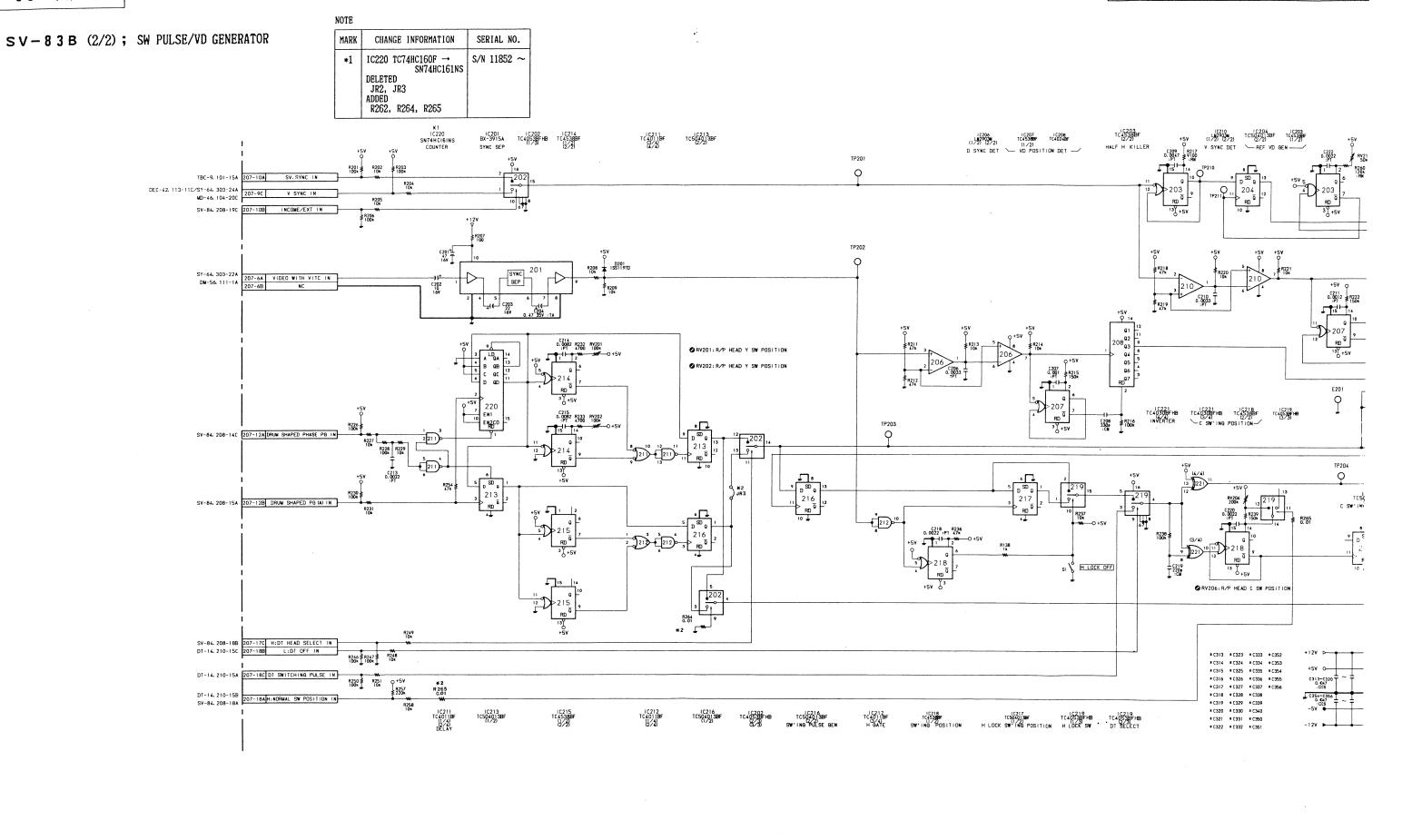
MARK	CHANGE INFORMATION	SERIAL NO.
*1	C22 0.033 →0.022 C25 0.033 →0.022 C28 0.033 →0.022 C33 0.033 →0.022	S/N 11260 ∼

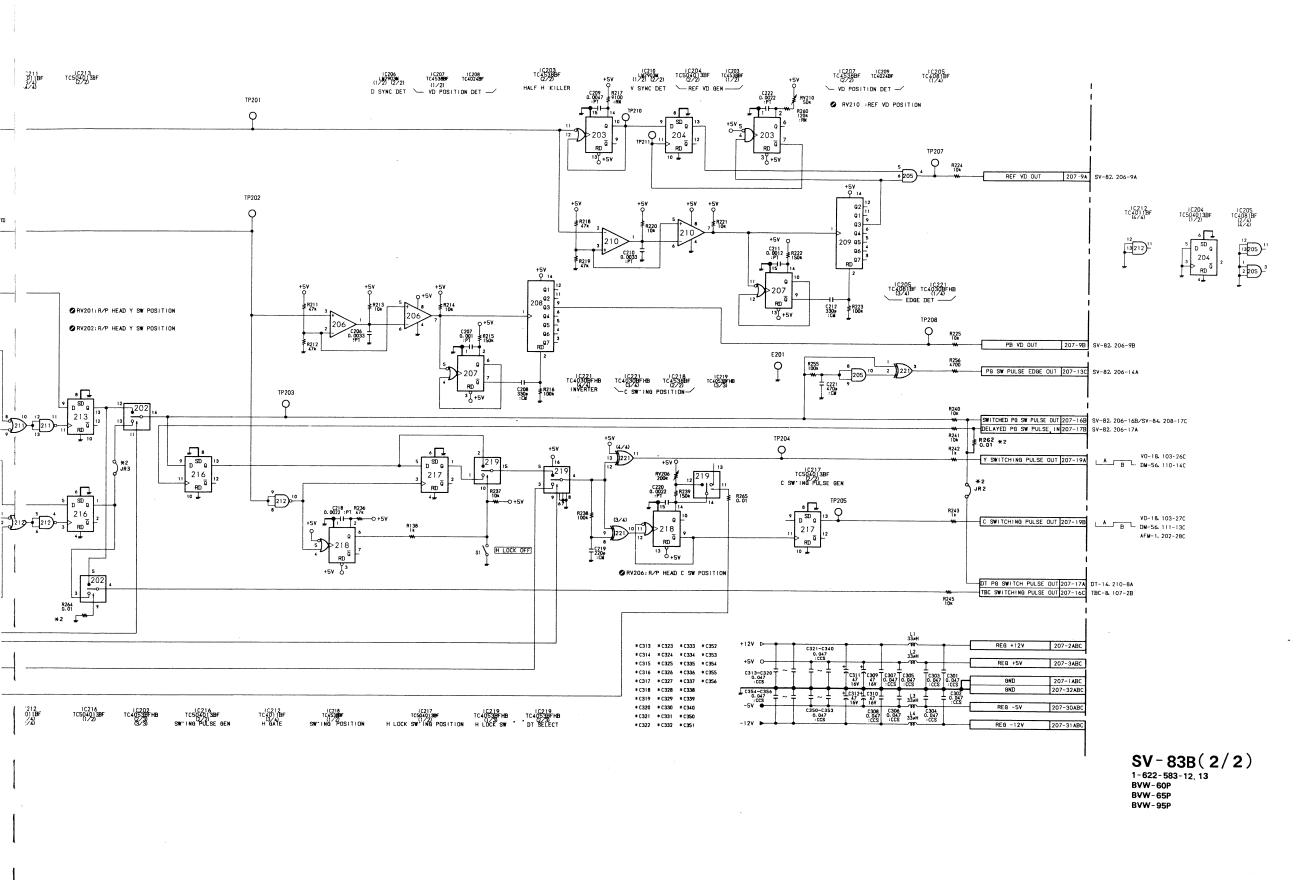


16-213

B C D E F G H

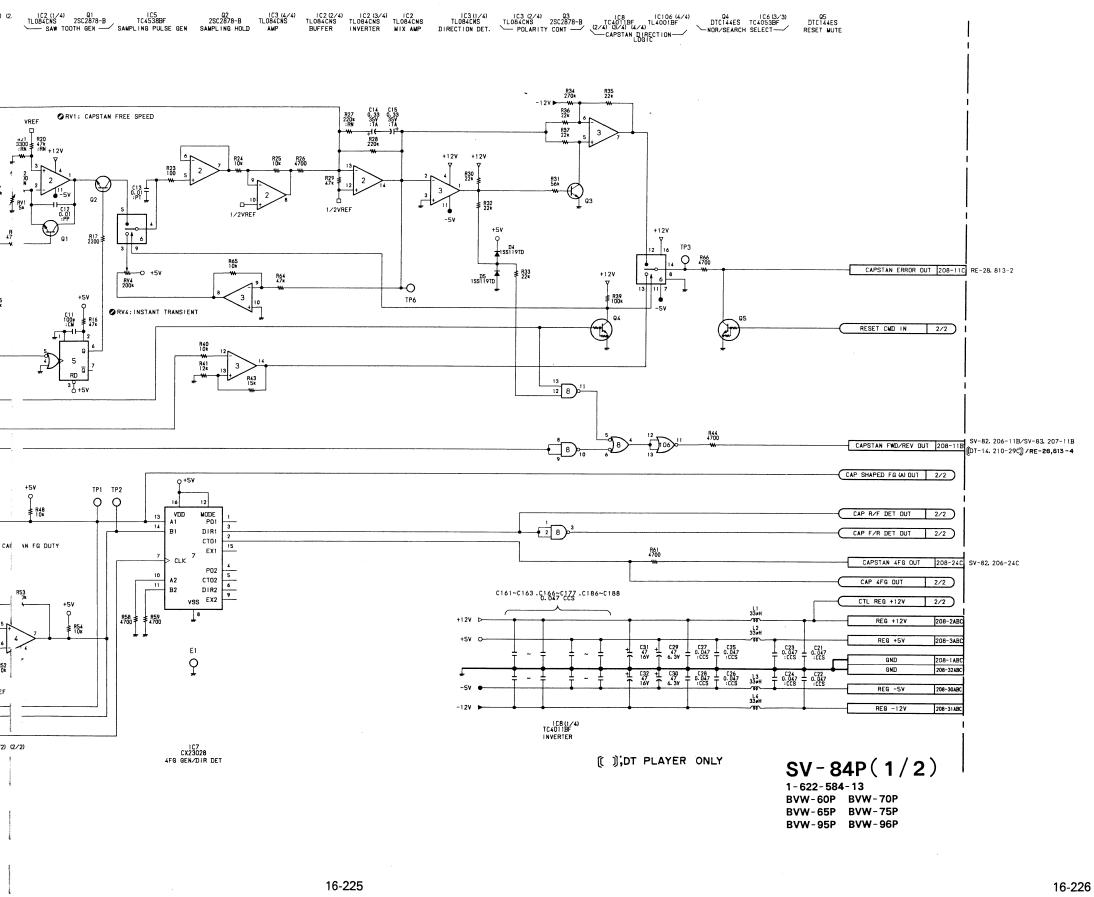






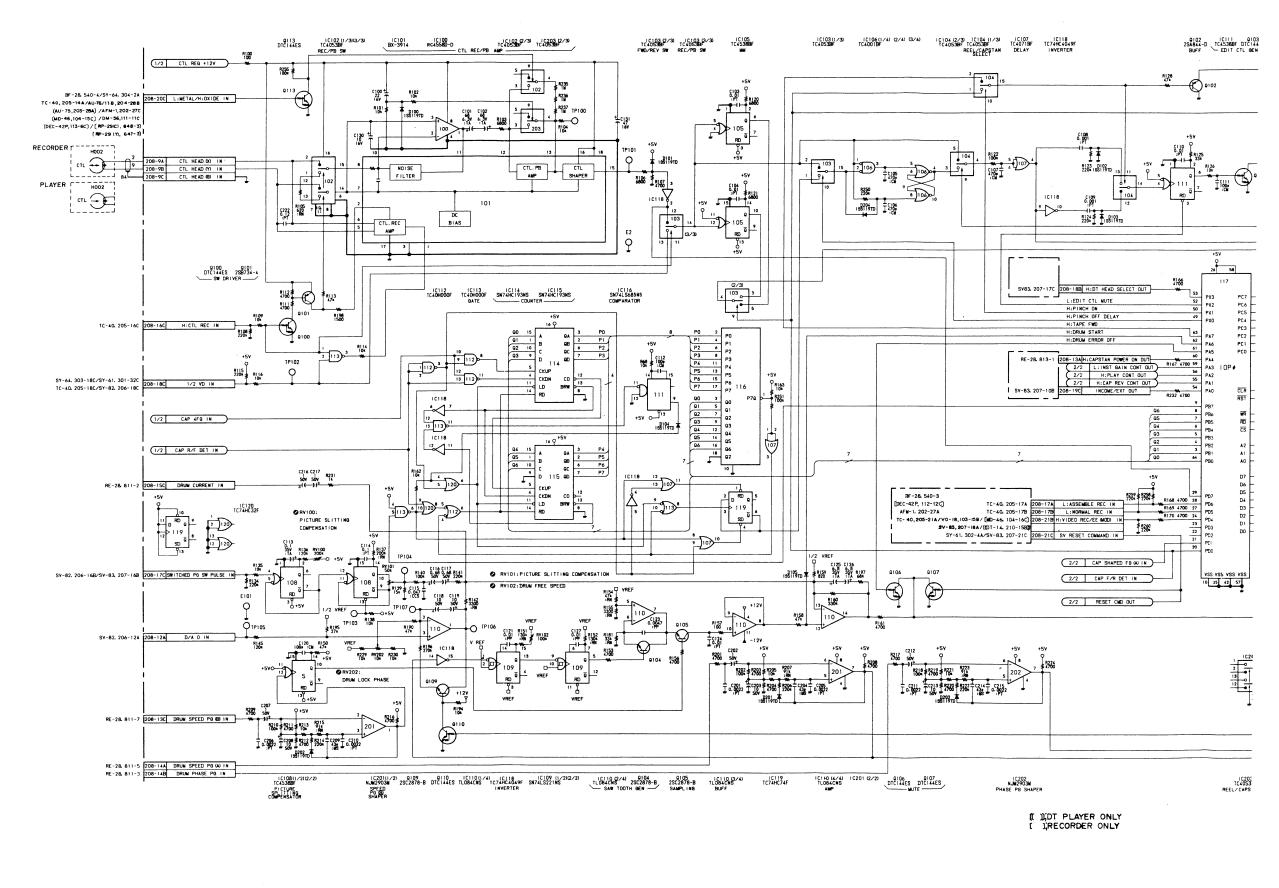
16-220

SV-84P (1/2)

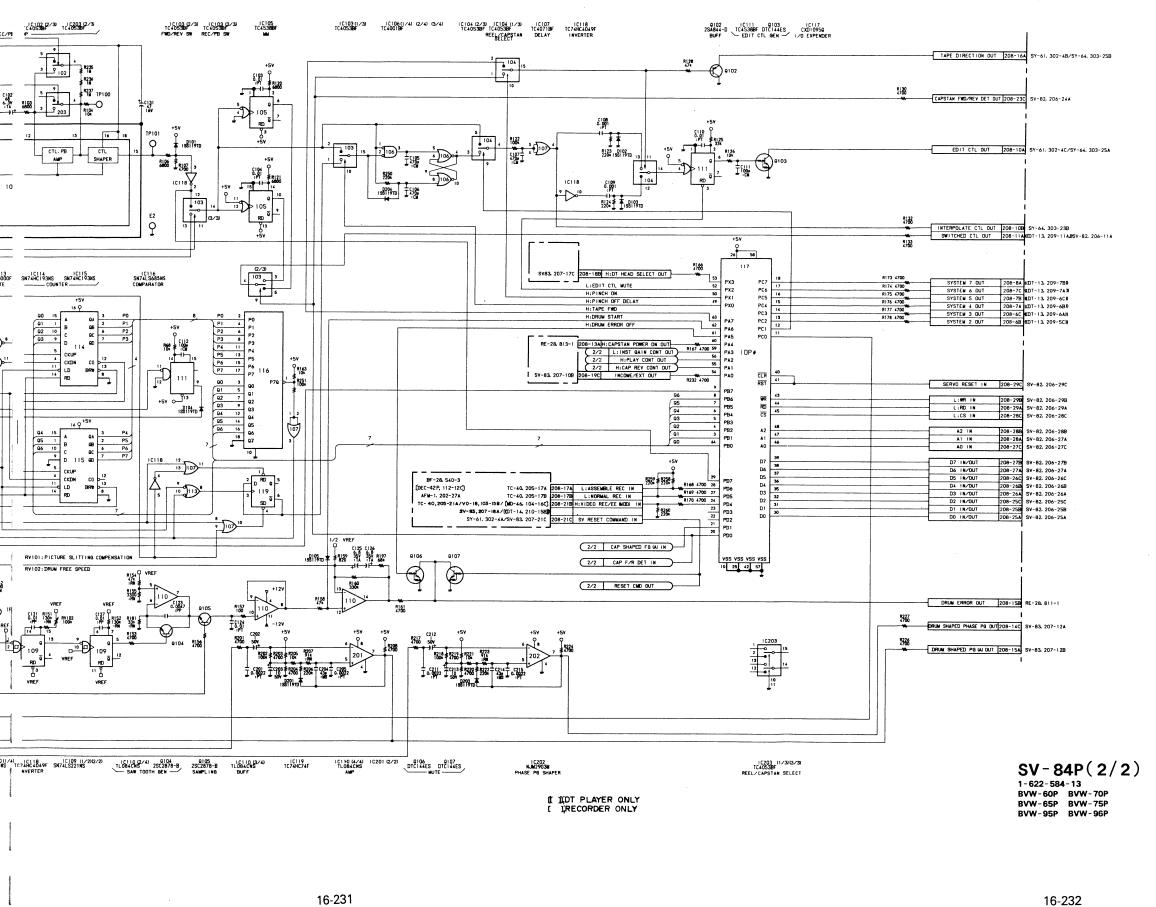


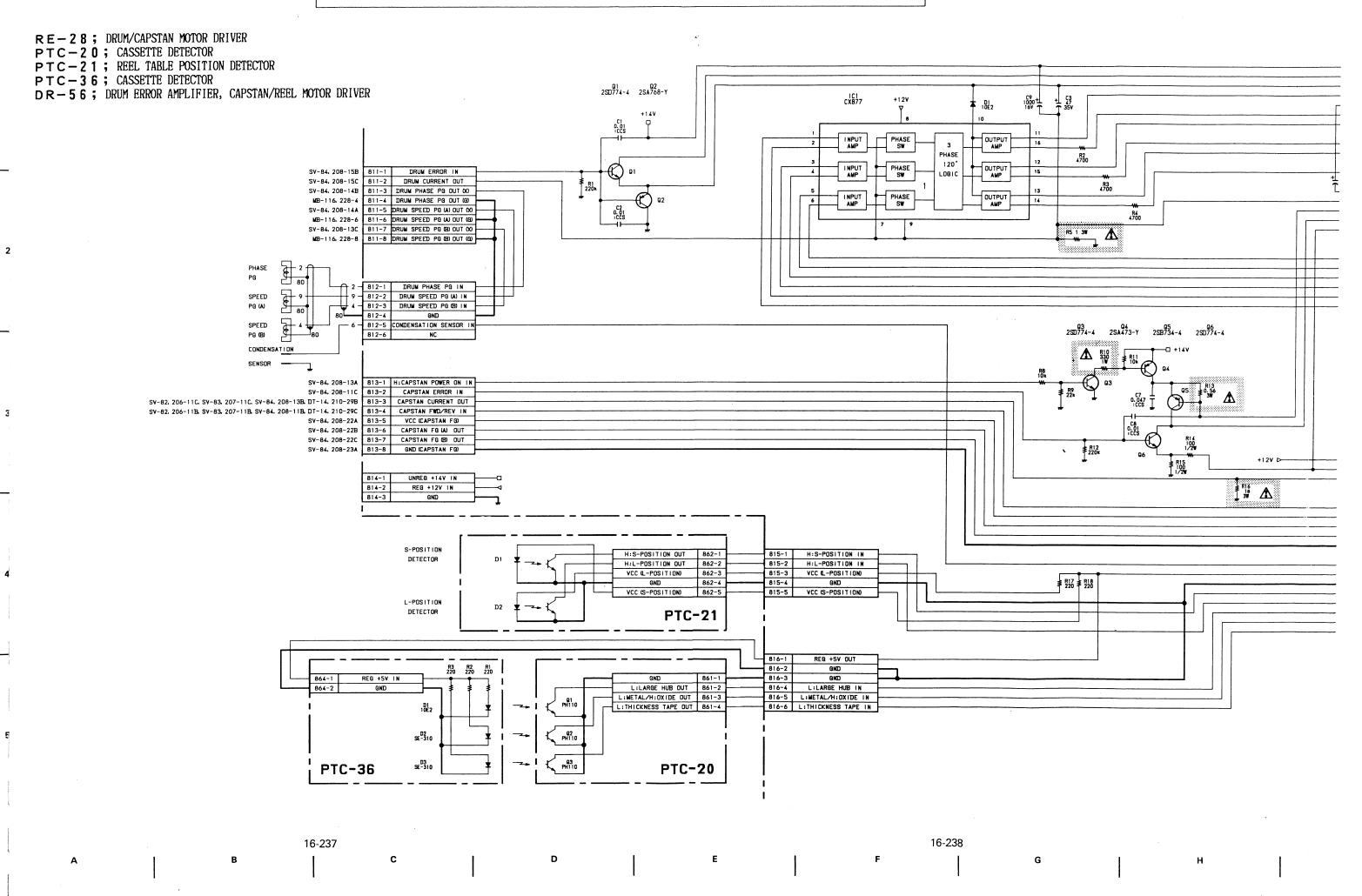
SV-84P

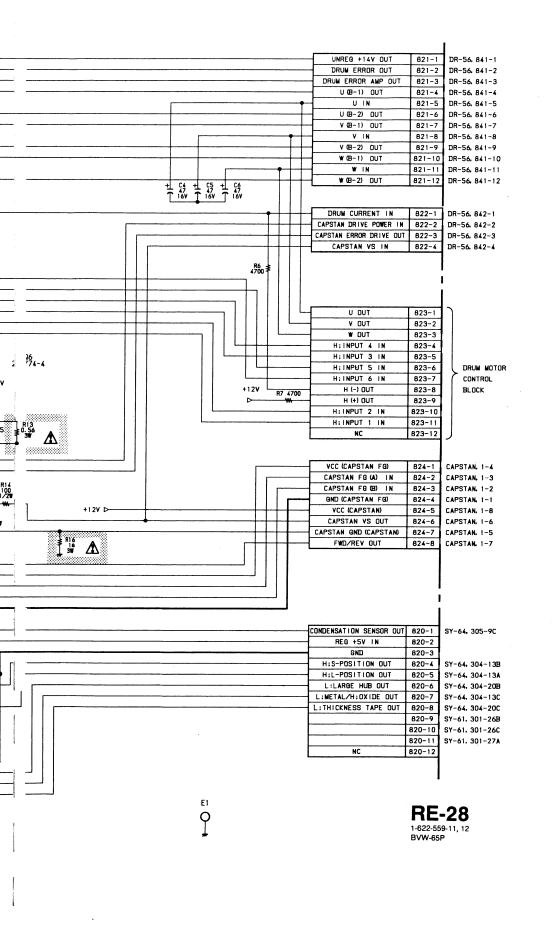
## SV-84P (2/2); DRUM SERVO, CTL PB AMPLIFIER

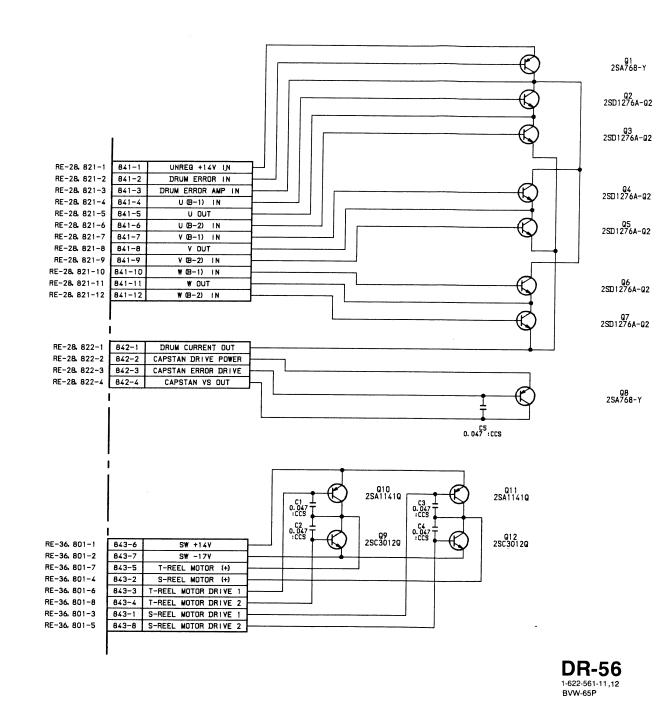


16-231 16-230









NOTE:

The shaded and A-marked components are critical to

Replace only with same components as specified.

L

16-240

0

RE-36, RM-40, DE-15, SE-57, PTC-31 RE-36, RM-40, DE-15, SE-57, PTC-31

#### NOTE:

16-246

The shaded and A-marked components are critical to

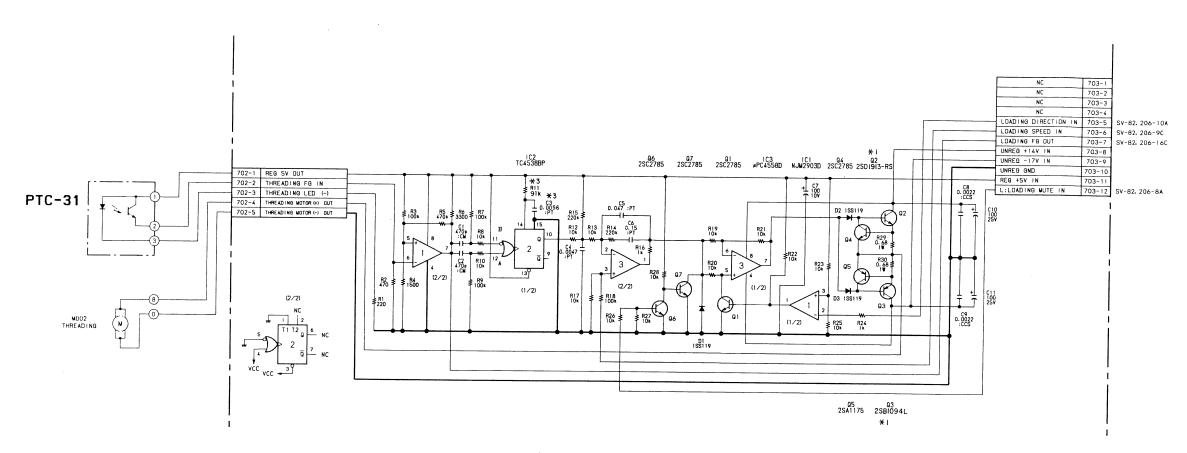
Replace only with same components as specified.

2

3

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	Q2 2SC1173 → 2SD1913-RS	S/N 12302 ~
	Q3 2SA473 → 2SB1094L	



SE - 57 1-622-562-12 BVW-60P BVW-70P BVW-65P BVW-75P BVW-95P BVW-96P

16-247

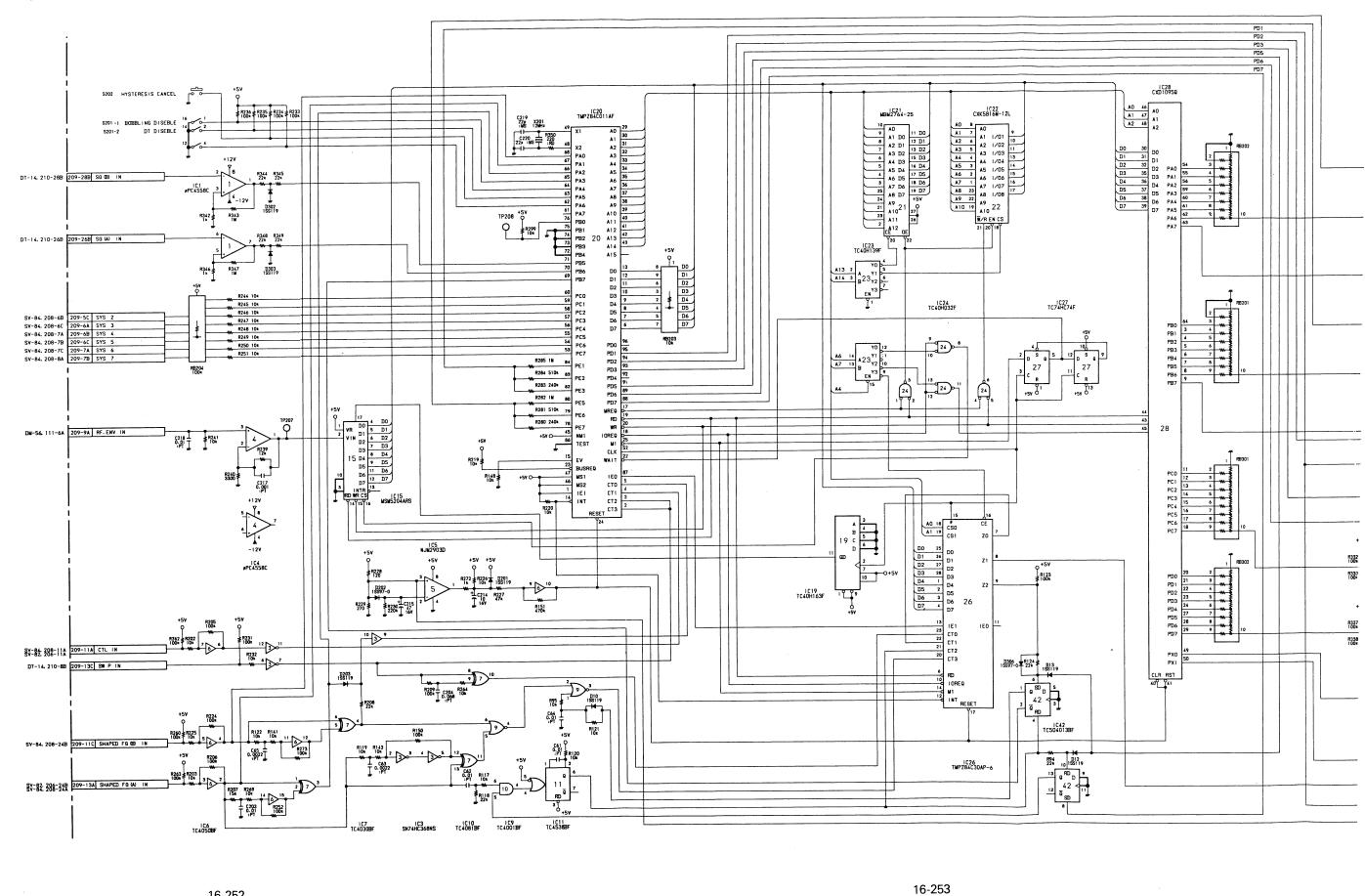
16-248

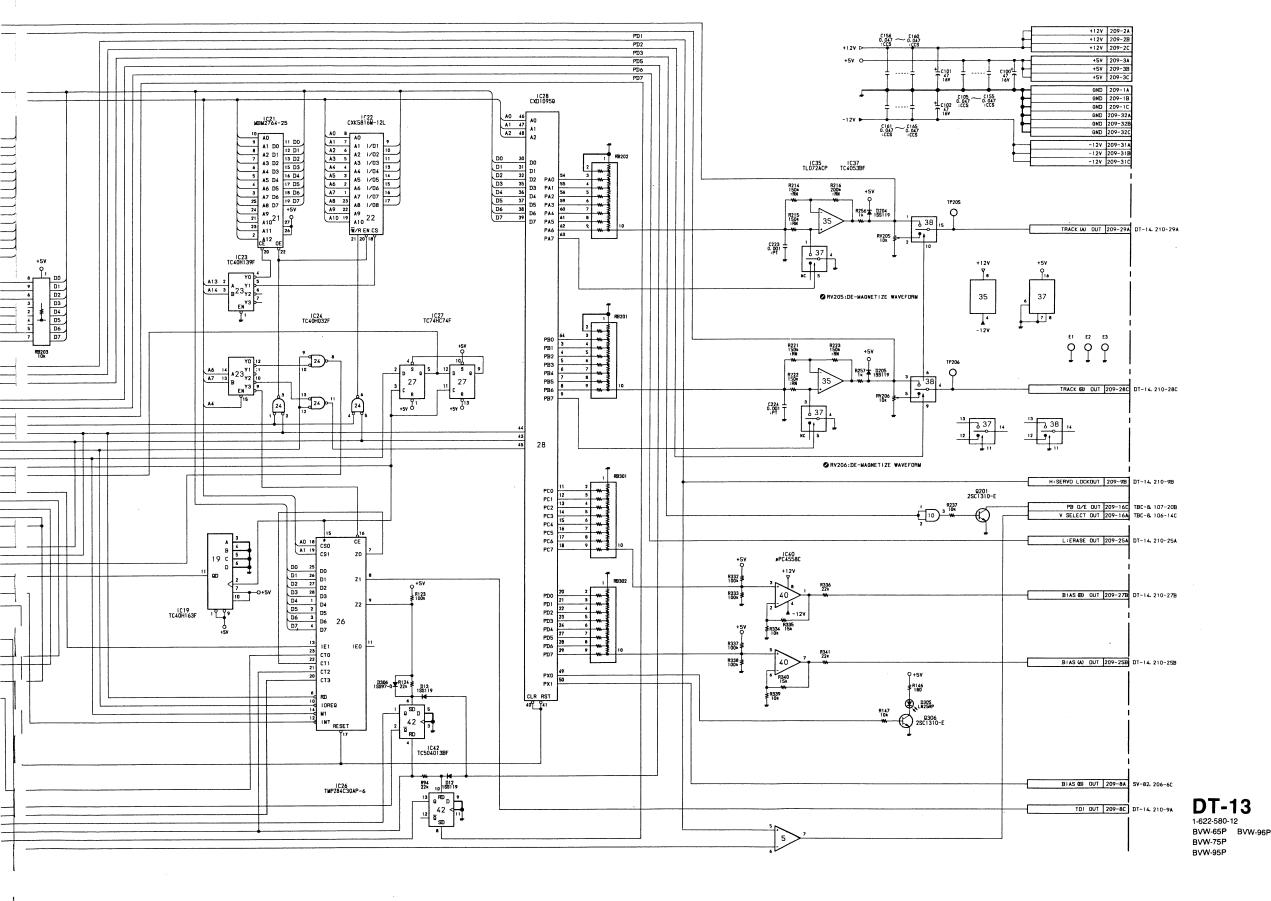
- 3 ) -56 11 60P BVW-70P 65P BVW-75P

G

F

#### DT-13; DYNAMIC TRACKING





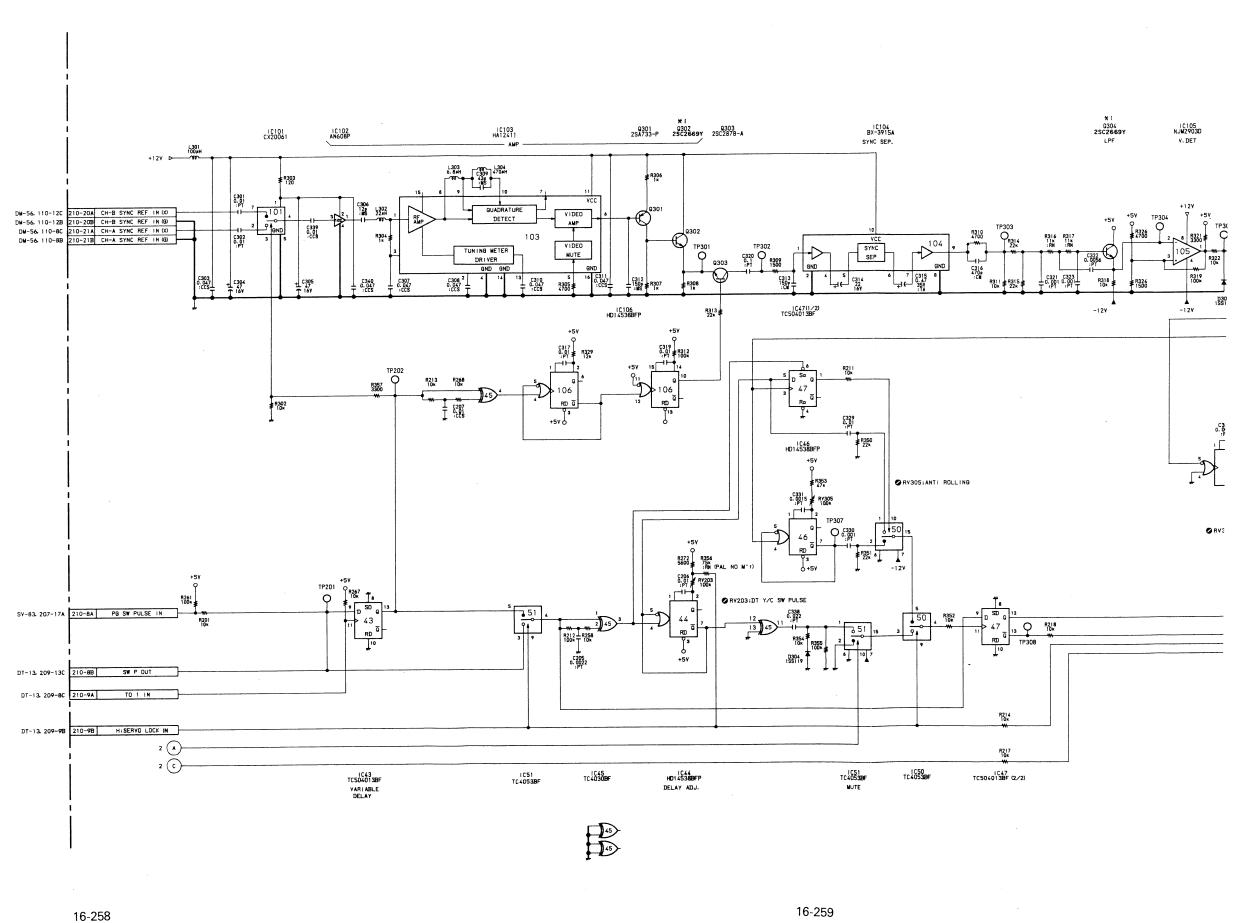
BVW-95P

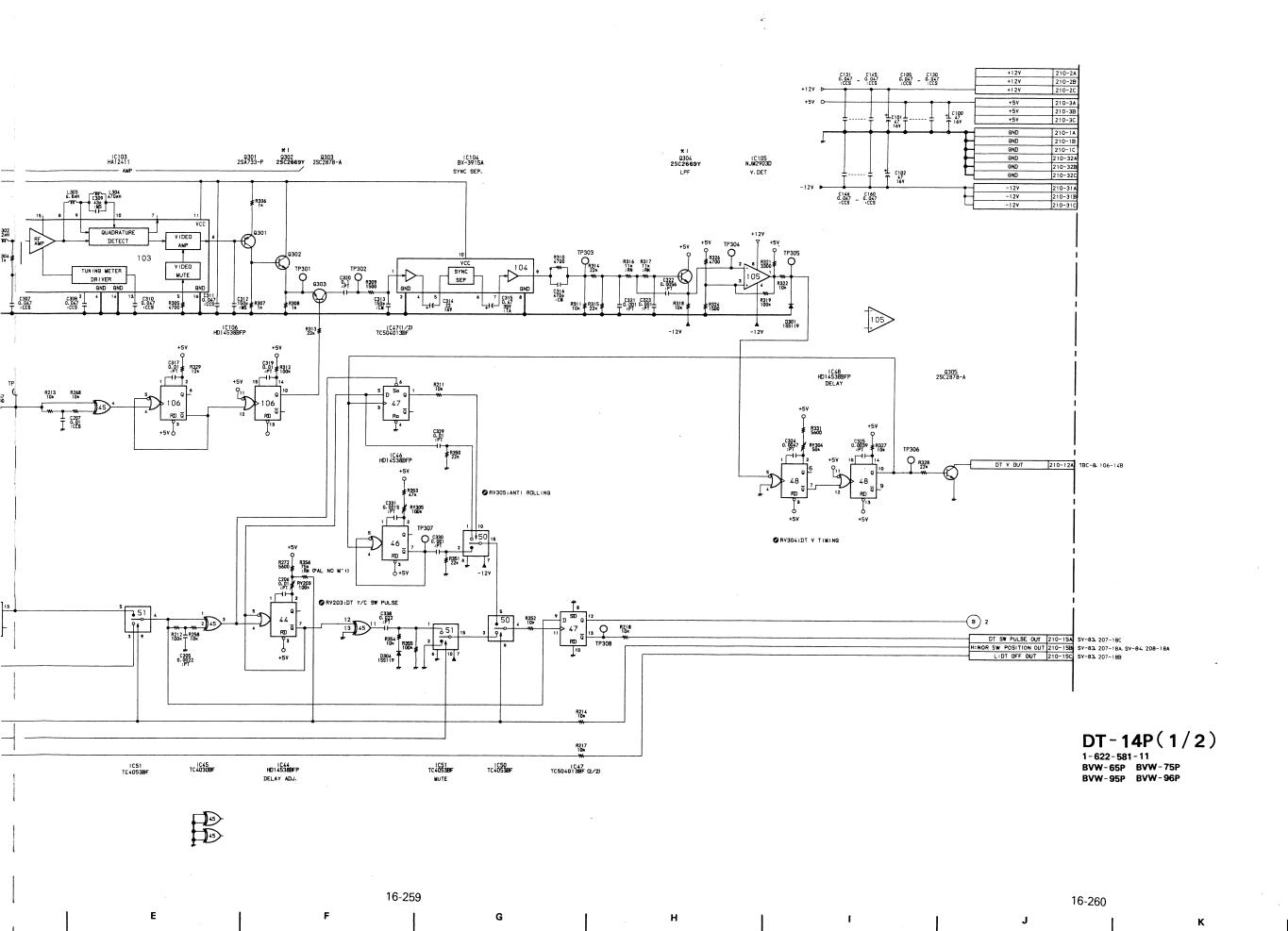
16-253 16-254 L

## DT-14P (1/2); DT V GENERATOR

NOTE

MA	RK	CHANGE INFORMATION	SERIAL NO.
*	:1	0302, 0304 2SC403SP-5 → 2SC2669Y	s/N 12387 ∼

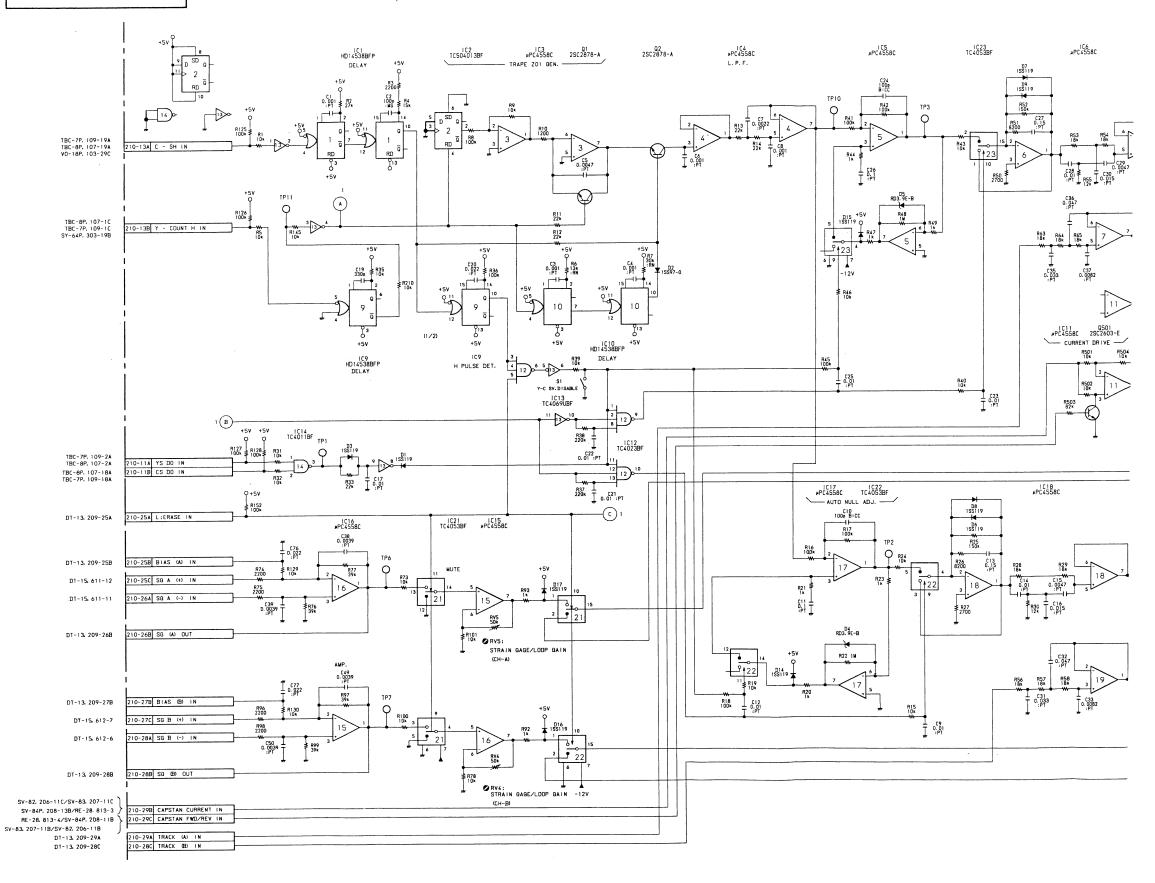




DT-14

DT-14P (2/2); AUTO OFFSET, HYSTERESIS CANCEL

S/N 10061 through 10160

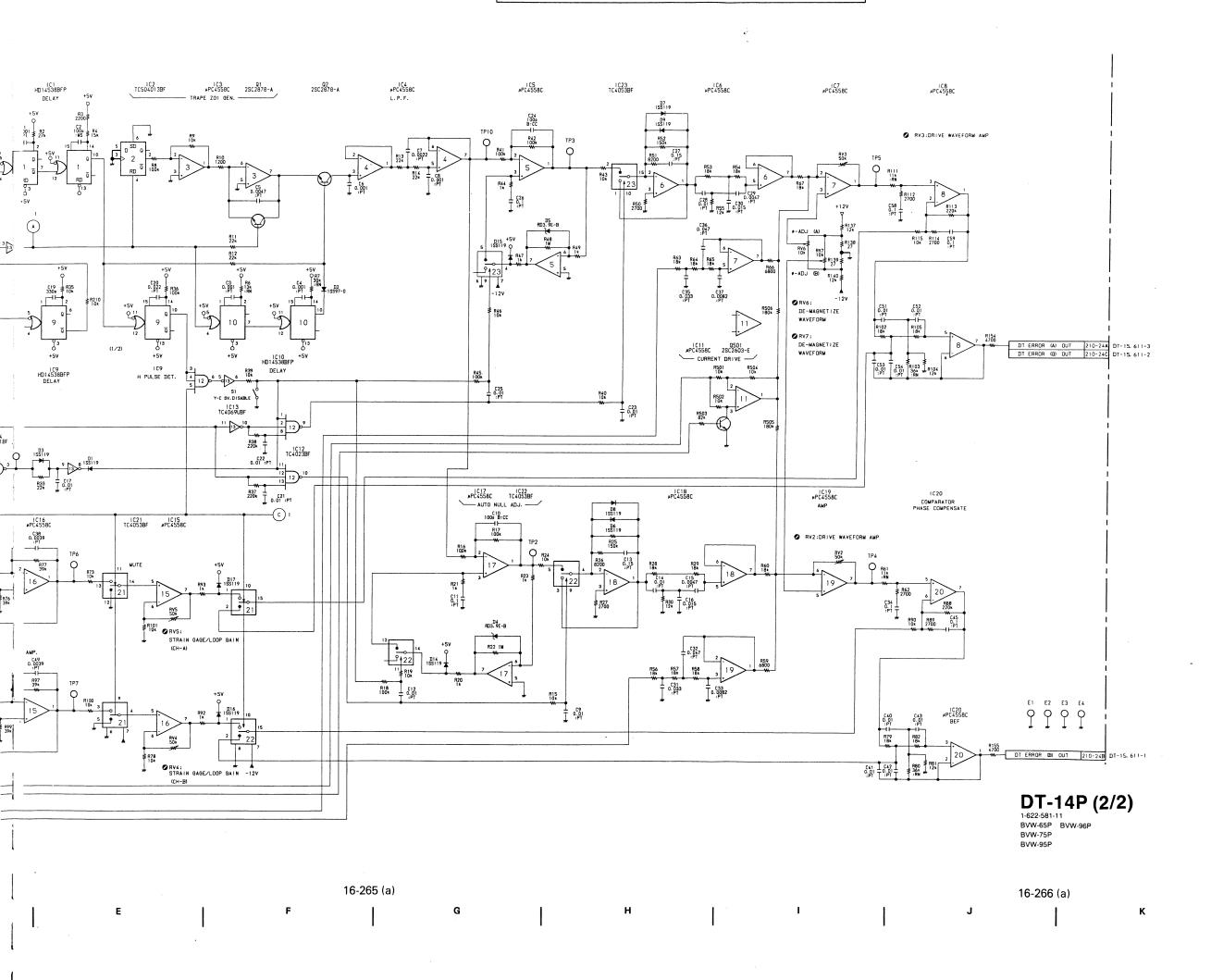


16-264 (a)

16-265 (a)

G

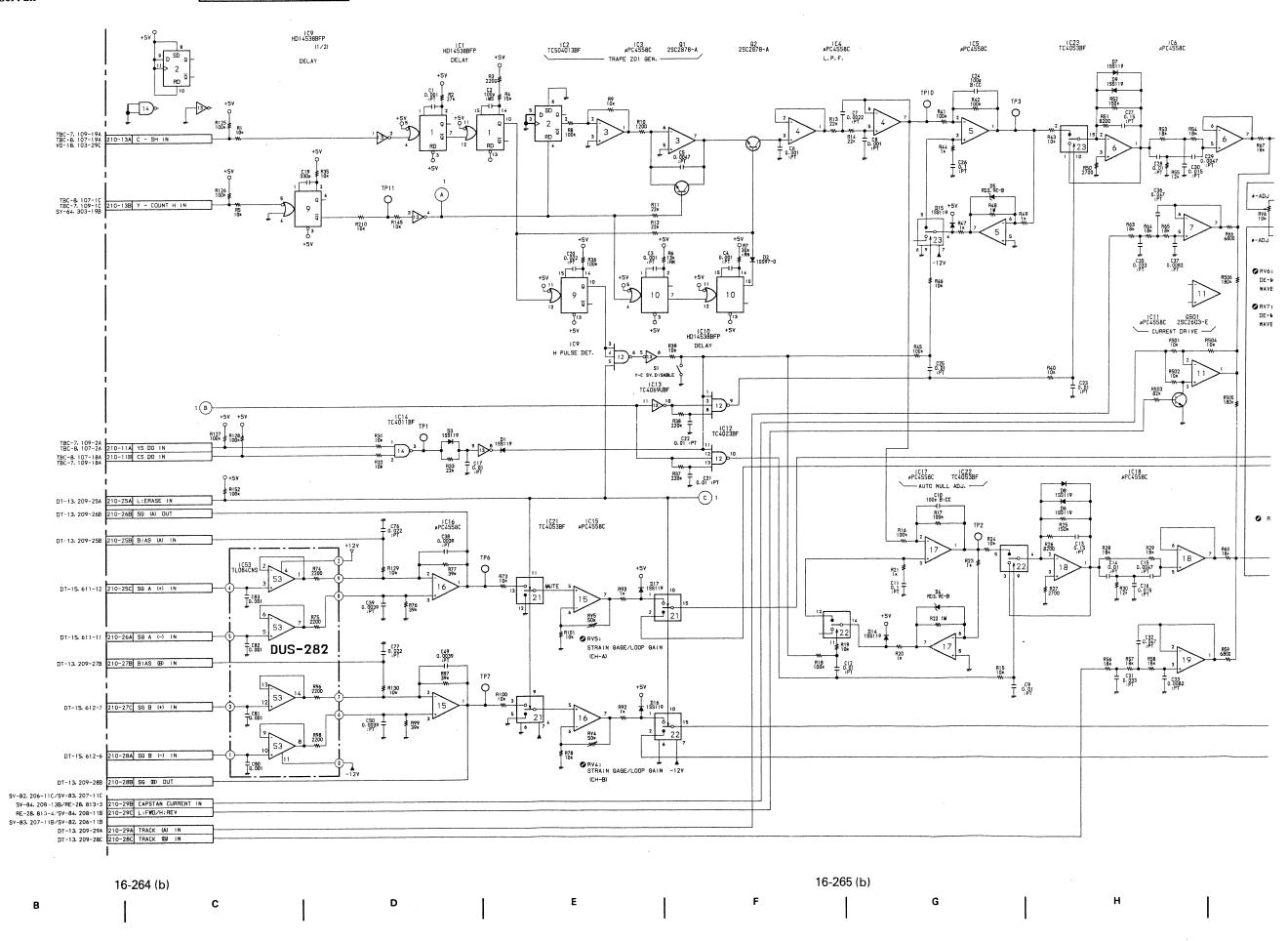
н

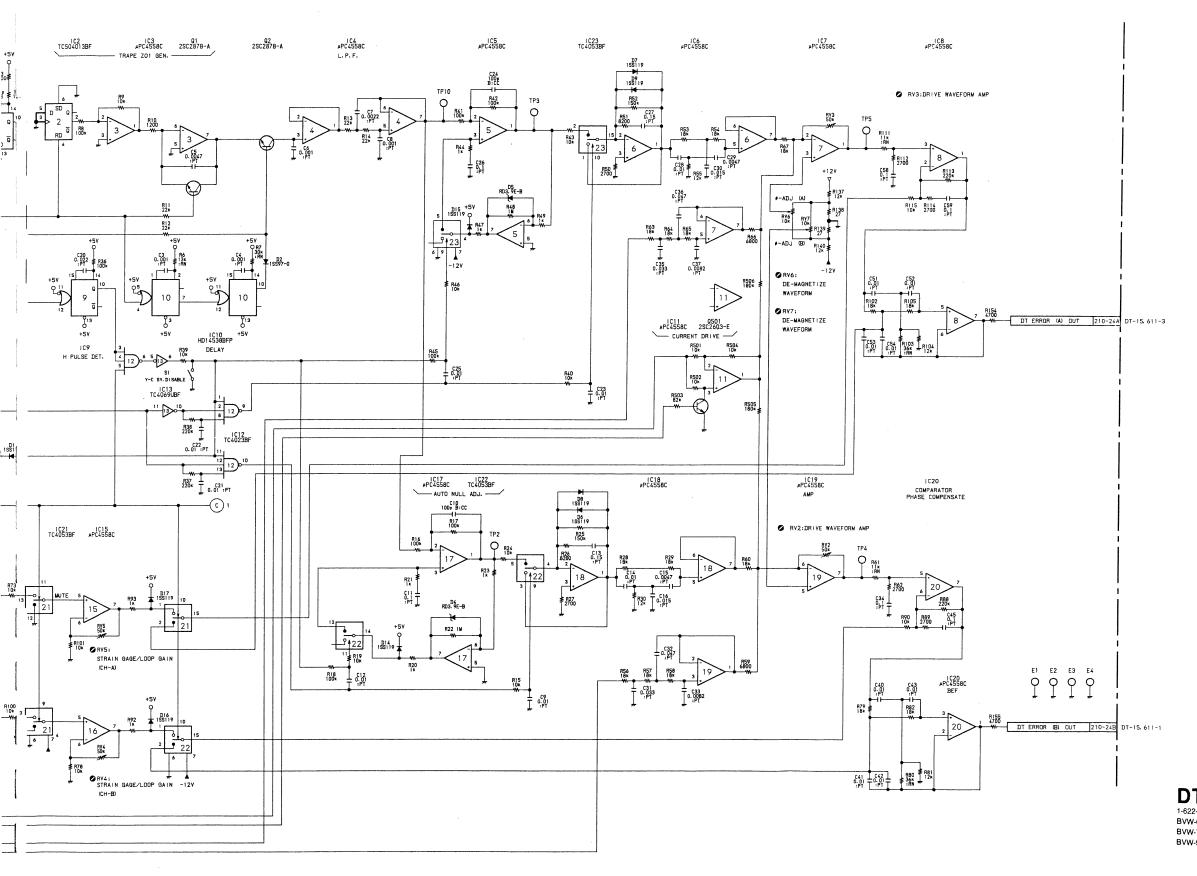


1

DT-14P (2/2); AUTO OFFSET, HYSTERESIS CANCEL DUS-282; STRAIN GAGE BUFFER

S/N 10161 and higher





DT-14P (2/2)

1-622-581-11

BVW-65P BVW-96P

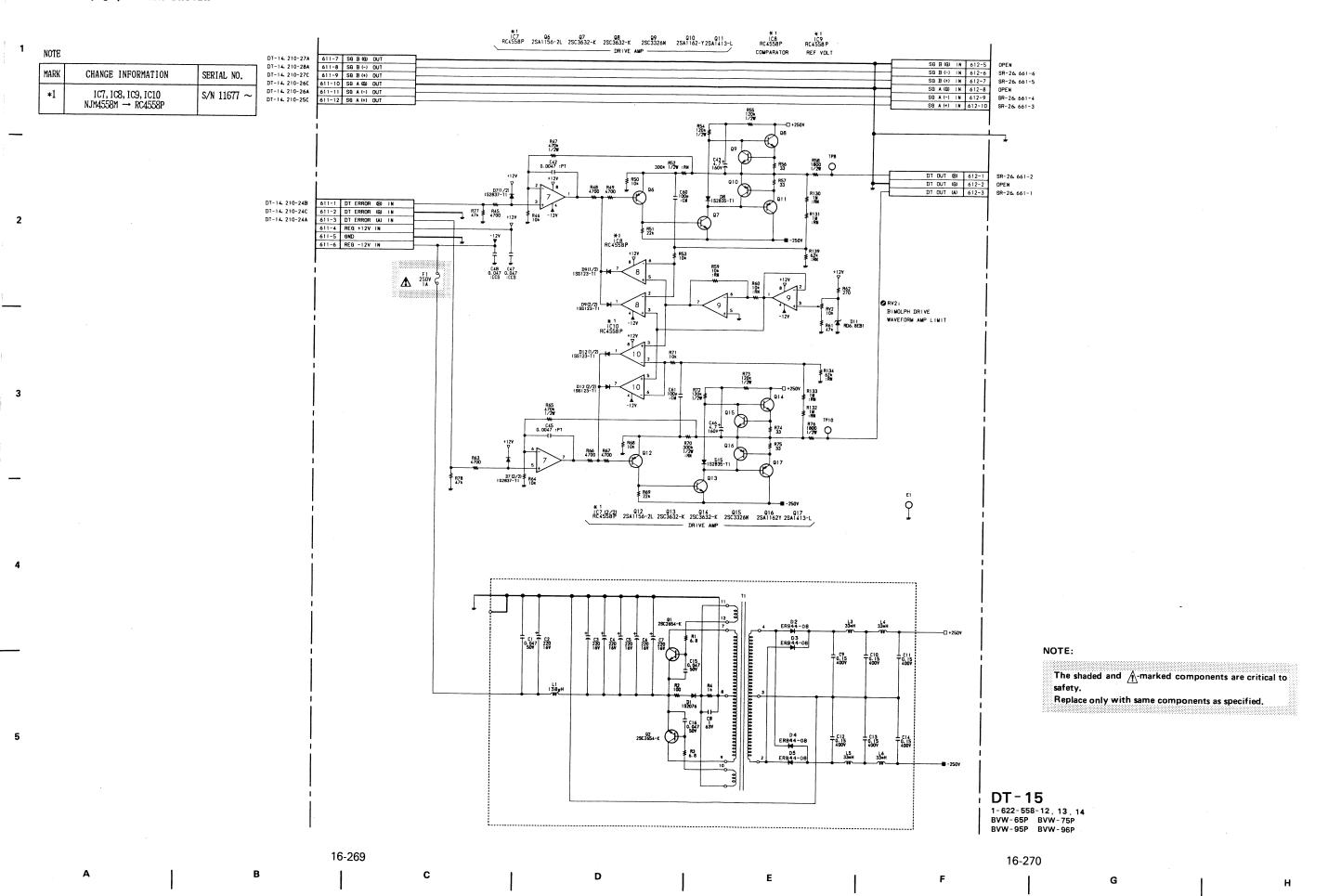
BVW-75P

16-265 (b)

G H I J J

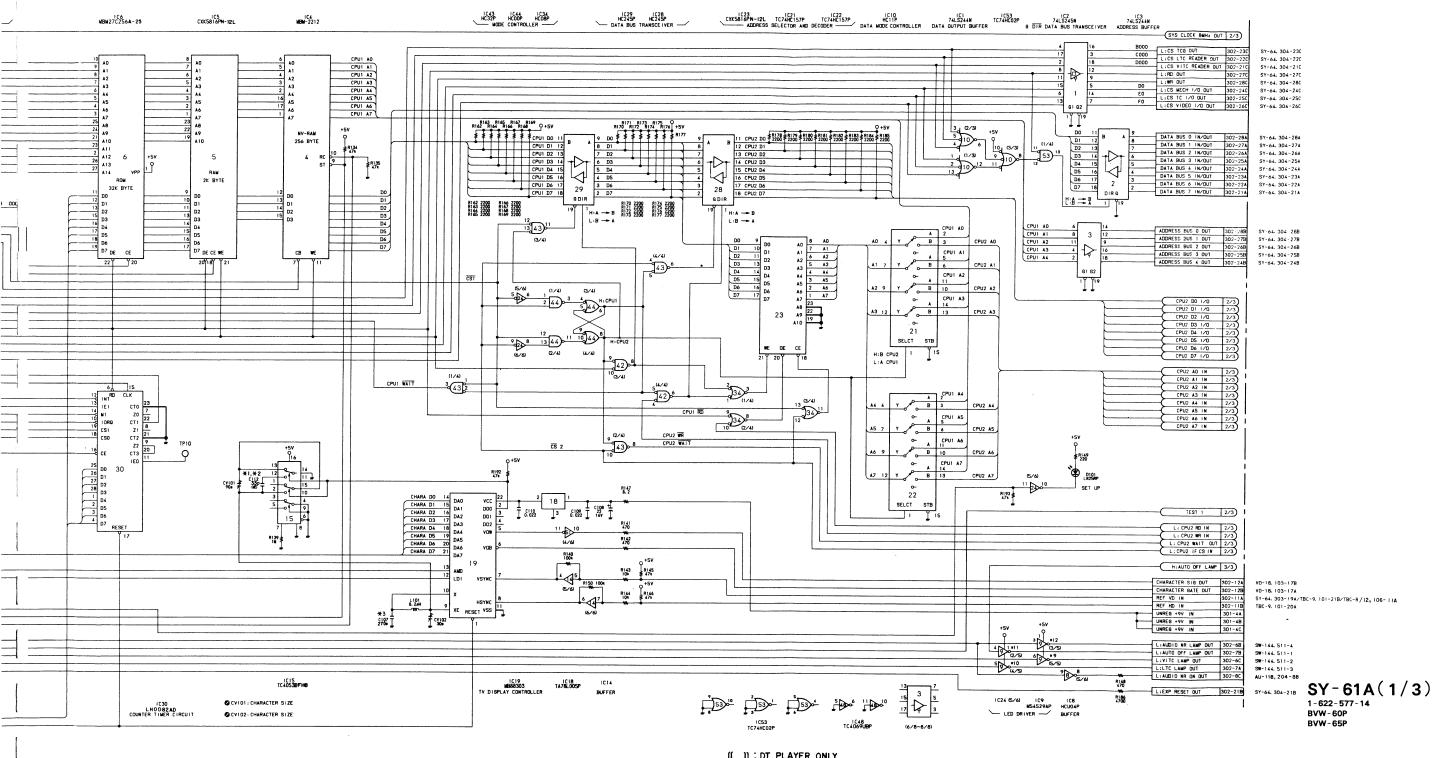
1

DT-15; POWER DRIVER



NOTE								
MARK	CHANGE INFORMATION	SERIAL NO.						
*1	C112 13pF → 43pF	S/N 10575 ~	+5V 1C14 1C8 Q 4050pp HC004P HC	C13 TC14K59SP SW74LS697N SW74LS697N TC74KC597P HC004P	1C7 TMPZ84C011		HC12B HC32P HC38B HC32P ADDRESS DECODER AND MEMORY CONTROLLER	MBM 27C256A-25
*2	C112 43pF → 33pF	S/N 11155 ~ TC-40, 205-15B/SV-82, 206-23A	302-18 H:SV/REC READY IN BUFFER (10)	O 9 B CONVERTER CIL COUNTER PARALLEL SERIAL CLOCK BUFFER CONVERTER			MEMORY CONTROLLER	MDM2//230A-23
*3	C107 560pF → 270pF	S/N 12177 ~ SY-64 303-250	301-22A TIME CODE INT IN RIOS 100	(A)	AO	29 5-29		10 40
L		SY-64. 303-26A	301-22B LTC INT IN W R109 100k	5	5-5 5 CLK/TRG 0 A3	30 5-30 31 6-31 32 6-32		9 A1 A2 A3
		SY-64, 303-26B	301-22C VITC INT IN 10 12 (3/6)		3-99	33 6-33 34 6-34 35 6-34		5 A4 A5
		((DT-13,209-10A))/SV-84.208-18C/SY-64.303-18C	75V R110 100k	TPII O	5-3 3 CLK/TRB 2 A7	36 6-36		3 A6 A7 A8
		SV-82. 206-18C/TC-4Q 205-18C	(2/3) 1/2 VO IN	Q+5v	A10 A11	140		24 A9 21 A10 A11
		CP-103, 501-10	302-6A H:AUDIO NR IN	R111 \$ R112 104 W	A12 A13 3-85 PEO A14	42 43 6-42 43		2 A12 6 +5V O 1 O 1
			CHARACTER SIDI +5V 0   1   1   1   1   1   1   1   1   1		3-84 83 PE1 A15 PE2 PE3	6-44	(1/4)	ROM 32K BYTE
			\$102 2 3 ON +5V O O+5V		3-81 81 PE3 3-81 80 PE5 4-80 79 PE6		1 1/2 3 0000	12 DU D1 D1 D2 D2
			REEL-POS1	TP18 (1/6) (2/6) Q	4-78 78 PE7		2 A YO 15 8000 14 9000 3 B YI 13 A000	16 D3 D4 D4 D5
			PUSH 2 3 0FF 0 +5V	1 2 3 2 4	6-49 49 XTAL 1 XTAL 2		C Y2 13 A000 12 Y3 11 C000 14 10 D000	D6 D7 DE CE
			PUSH \$ 117 4700	*5V C101 + +5V C200 + 16V + +5V C200 + +5V C200 + 16V + +5V C200 + +5V C200 + 16V + +5V C200 + +5V C200 + 16V C200	5-27 27 VDD MERQ	5-17 S-17	Y5 0 5000 EN Y6 9 9 7 7 7	22 7 7 20
			2 0 3 0FF		5-28 25 vss vDD 7		* '	
		TC-40, 205-15C/SV-82, 206-22C	PUSH 1002-1C   SV/REC   SERIAL CMD OUT   1000   1200   1300	Side X X Sides Sides  CSAB. COUNT	0.0227 6-50 50 VSS CPU-1 VSS VDD WAIT	22 5-22 19 5-19		
			T (11) T (700 +5V (1/6)	15 70	3-100 77 VSS WR	19 5-19 20 5-19 5-20		
		TC-40, 205-16A/SV-82, 206-22B	SI   SI   SEPIAL STATUS IN   SI   SI   SI   SI   SI   SI   SI	CK QA IS DO  GB I DI  GB I DI  GC 2 DO  GC 2 DO  GC 3 DO  GC 5 DS  GC 5 DS  GC 6 DS  GC 7 DO  GC 7 DO	5-13 13 DO	+5V Q		
			302-28 SV/REC SERIAL CLOCK IN 13 13 13 15 5 8 6 11	0 0 3 D3 R161 (4/6) 17 D 3 D3 QE	5-12 11 D1 D2 CLK S	52 \$ R137 22000 4-52		6 15
				08 6 D6 18\$1970 13 SLOAD 6 7 D7	5-9 9 D4 INT b 5-8 7 D6 MI P	14 5-14 87 3-87 25 5-25 5-25		12 INT CLK 13 IEI CTO 7
			- Sci.R	SCLR RCK 10 7 12	5-6 D7 TORG D	5-18		10 10RQ CT1 8 CS1 Z1 8 21
			+5V		24 RESET	1 5-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A Y0 15 80 14 90	13 IEI CTO 22 27 10 IORO CT1 8 CSO CT2 9 20 10 CE CT3 11 11
		SY-64. 303-25B/SV-84. 208-16A	1013 QV6 QV6		\$ RESET		B Y1 13 A0 12 B0 11 Y 11 C0	I IFO
			3/3 L:FWD/H:REV OUT +5V +5V   18/5   10/3	RCD 19 +5V 0 13 R/C RCD 19 10 10 D4	6-45 45 NWI 6-47 46 MS1 PC0 5	60 CHAR DO 4	Y4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27 28 D3
		SY-64. 303-25A/SV-84. 208-10A	1013 (4/6) LOAD LOAD 1013 (4/6) 1	04 18 D0 1	6-46 86 WS2 PC1 STEST PC2 STEST PC2 STEST PC3	58 4-59 CHAR D2 57 4-57 CHAR D3 (4/4)	7 F0 77 F0	25 DO 30  26 D1  27 D2  28 D3  1 D4  2 D5  3 D6  D7 RESET
		•	302-4C EDIT CTL IN 9/122 2 U/D  3/3 EDIT CTL OUT 10 10 10 10 10 10 10 10 10 10 10 10 10	00 15 D3 77 ENP 00 15 D7 5 B	RISI # PC4 5 PC5 5 PC6 5 PC6 5	55 CHAR D5 54 CHAR D6		RESET 17
			5 B S	5 8 4 8 36 6 9 6 9 6 9 6 9 9 9 9 9 9 9 9 9 9 9	R131 PC7 5  \$ 2200 BUSREQ PB0 7  0 000 7	4-53		
			CCLR 6	RCK CCLR G RCK	5-21 PBUSACK PB2			
			i		PB5 1/2	71 SET-UP LAMP # (2/4)		
			R123 4700		PB6 // PB7 6	59 4-69 NV-RAM RECALL  4-69 SV +5V +5V +5V +5V		
		TC-40. 205-15A TC-40. 205-14B SV-83. 207-21C/SV-84. 208-21C	302-74   R124 4700   R124 4700     302-74   SV RESET CMD OUT   R125 4700		4-68 67 PA0 PD0 99 99 99 99 99 99 99 99 99 99 99 99 99	25 3-96 VITC LAMP \$190 R199 \$190 \$188 \$478		
		AU- 118, 204-14C	302-9A   H:SV SERIAL REQ OUT     1176-700		4-65 65 PA3 PD3 PD3 PD3 PD3 PD3 PD3 PD5 PD5 PD5 PD5 PD5 PD5 PD6	3-93 ETC (AB)		
		AFM-1. 202-26B	302-9A H:AFM MUTE OUT , R128 4700	H:CTL MUTE	4-62 62 PA6 PD6 8 PA7 PD7 PD7	3-89	D (CI)	
			(2/3 L:PWR ON RST IN			Buffer	ADDRESS DECODER AND I/O CONTROLLER	IC30 LH0082¢ COUNTER TIMER
				12 13				
				12 13				

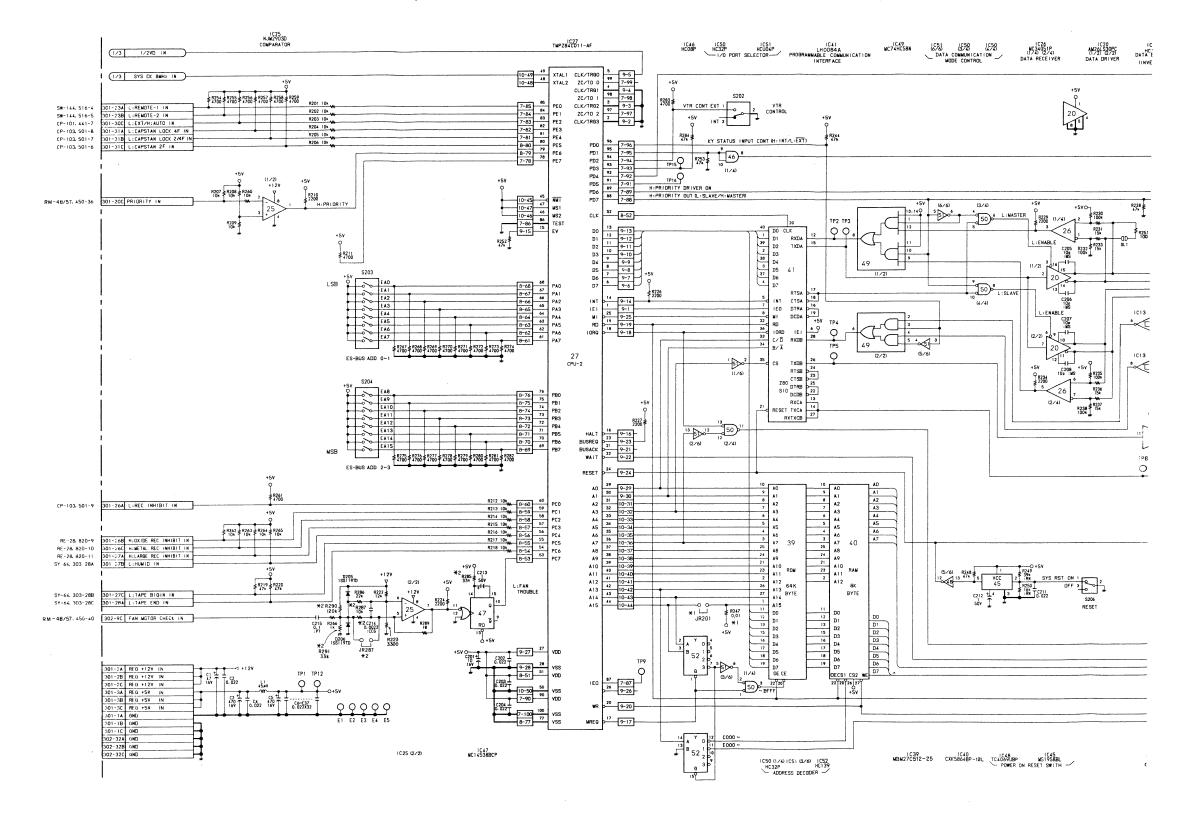
16-275 В С D E F G H



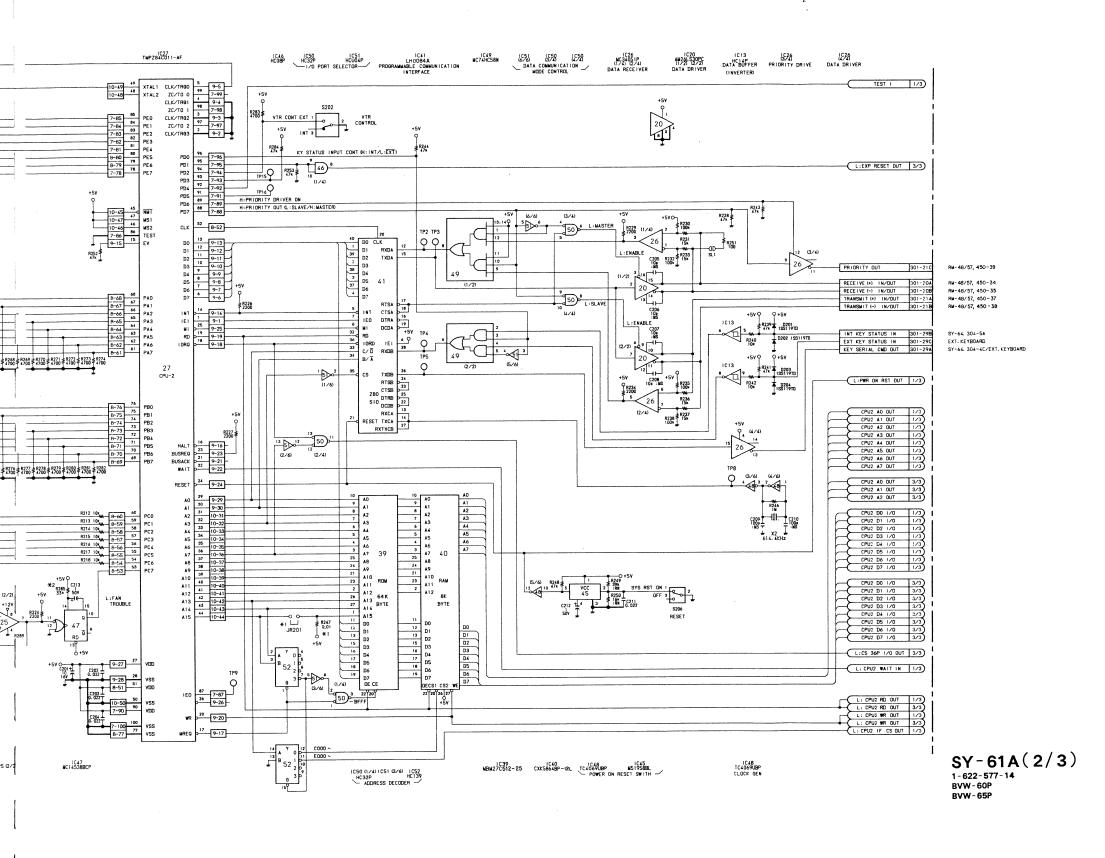
(( )); DT PLAYER ONLY

# SY-61A (2/3); SYSTEM CONTROL, CPU-2, SERIAL INTERFACE

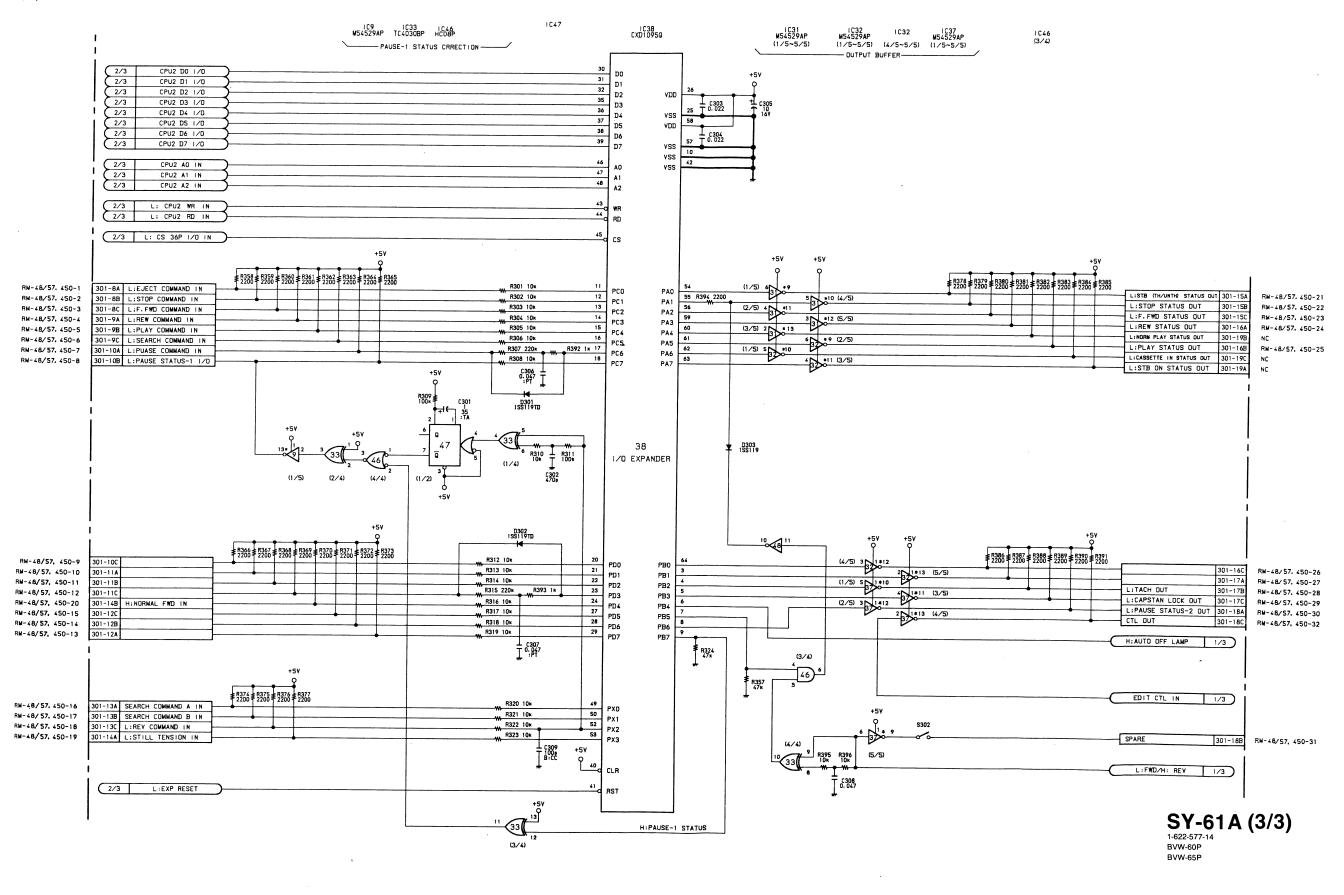
MARK	CHANGE INFORMATION	SERIAL NO.		
*1	R247 4700 → 0.01	S/N 10417 ~		
	R247 0.01 DELETED JR201 ADDED	S/N 10575 ~		
*2	DELETED C214, R287 ADDED JR287, R290, R291 CHANGED R285 15k → 33k	S/N 12407 ~		



16-282 16-283



SY-61A (3/3); SYSTEM CONTROL, PARALLEL INTERFACE RM-57; REMOTE CONNECTOR

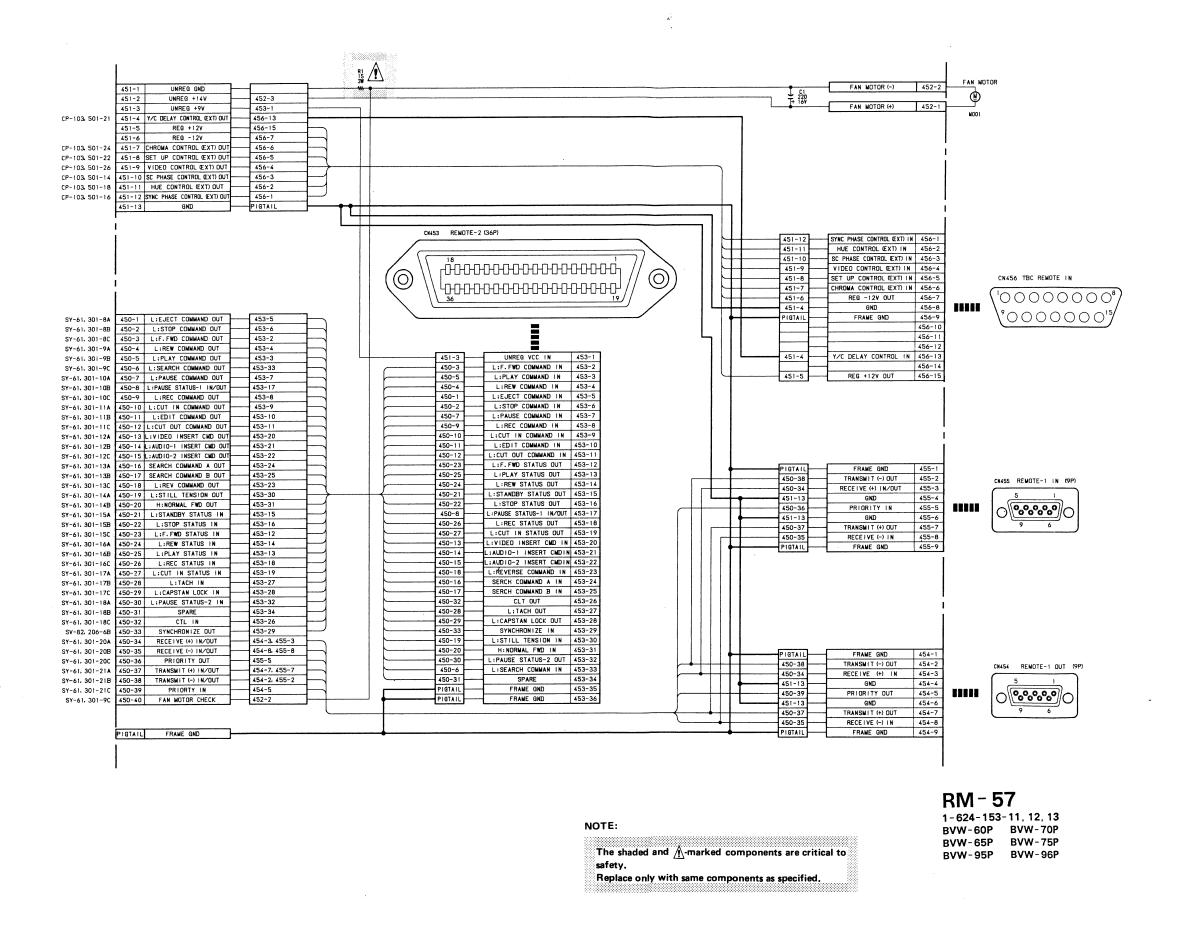


16-290

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16-292

57. 4 -22

57. | -25

57. 450-28

57. 450-29

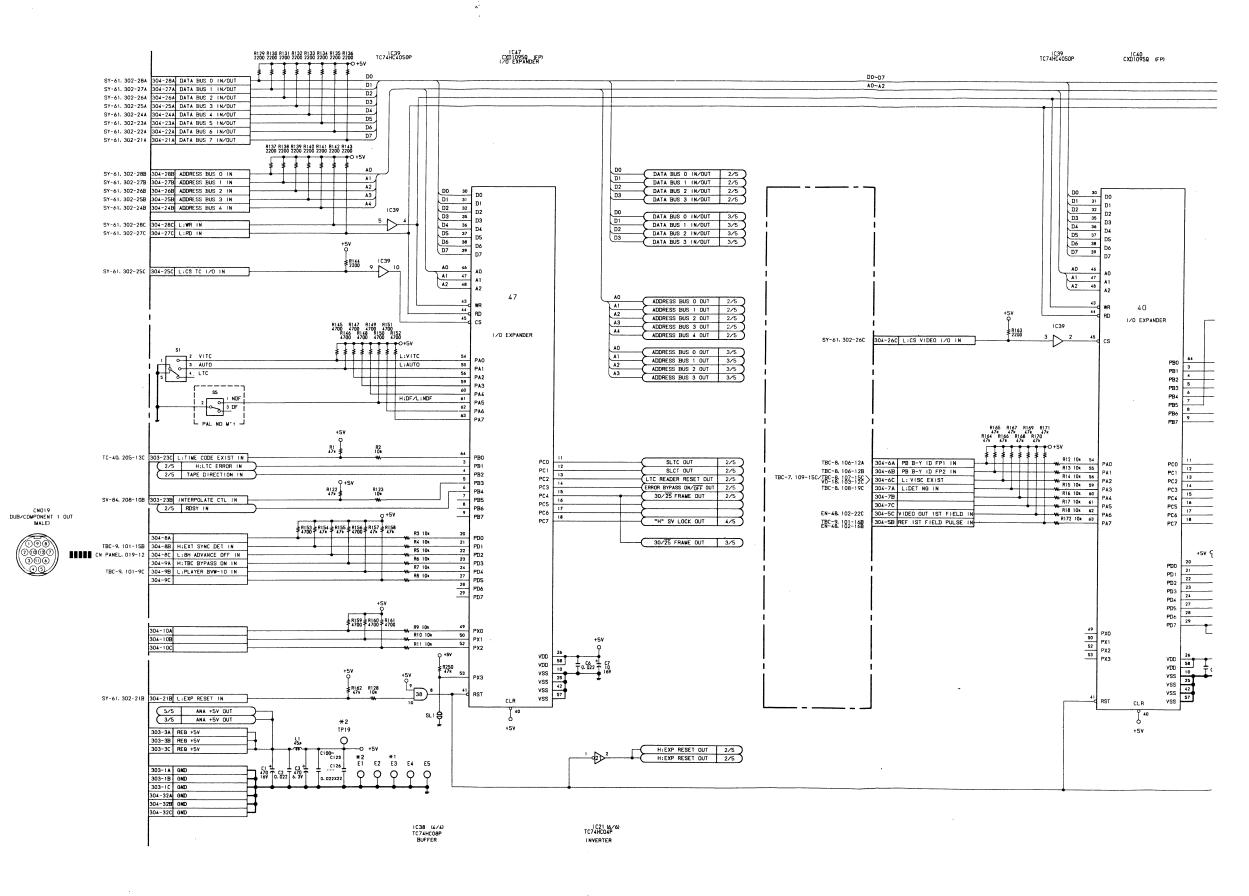
57, 450-30

57.

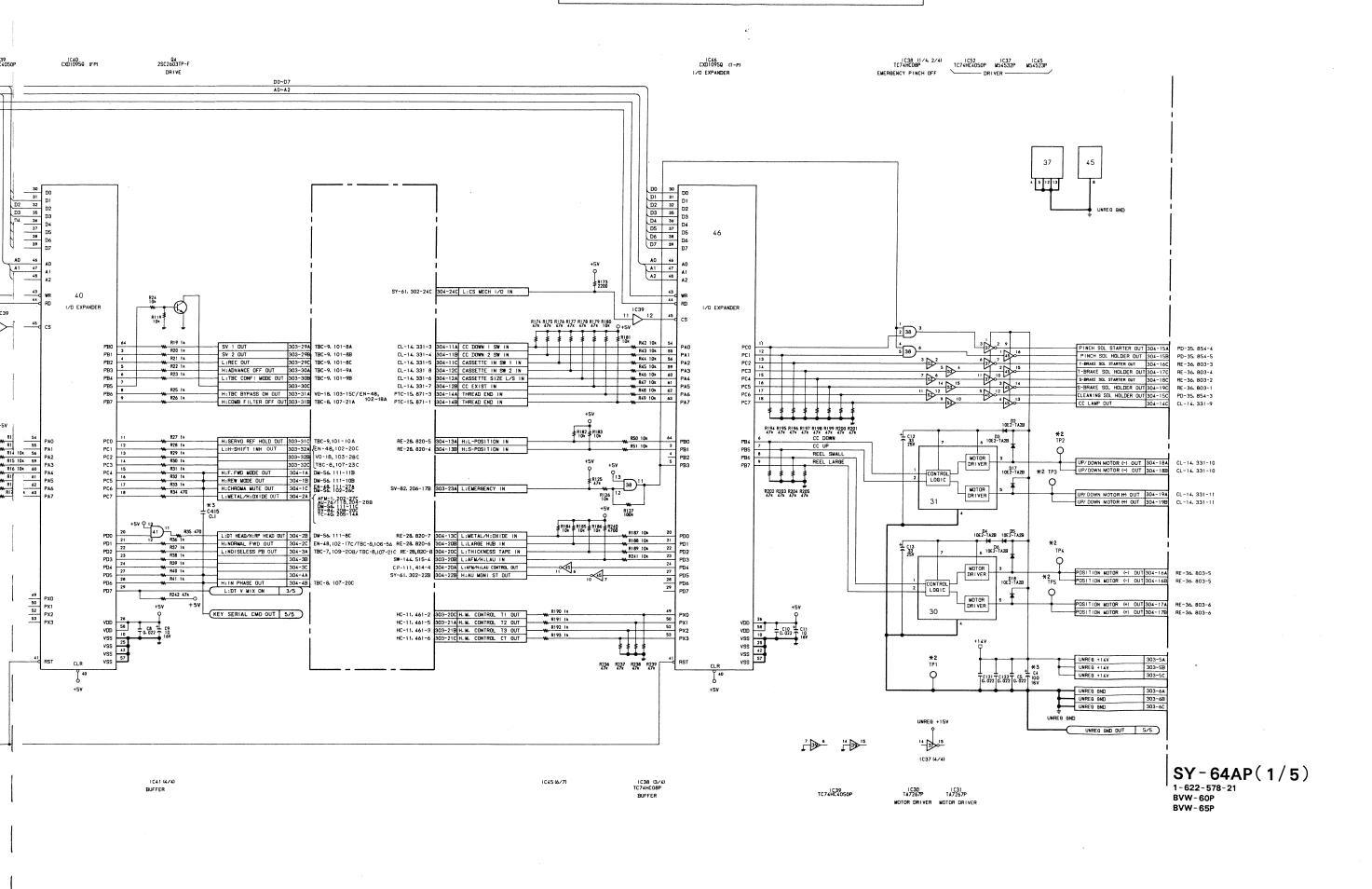
L

#### SY-64AP (1/5); I/O EXPANDER

NOTE		
MARK	CHANGE INFORMATION	SERIAL NO.
*1	E3 DELETED	S/N 10770 ∼
*2	DELETED TP1 ~ TP5, E1, TP19	s/N 11425 ∼
*3	C4 220/25V → 100/16V	S/N 12407 ∼
	C415 ADDED	



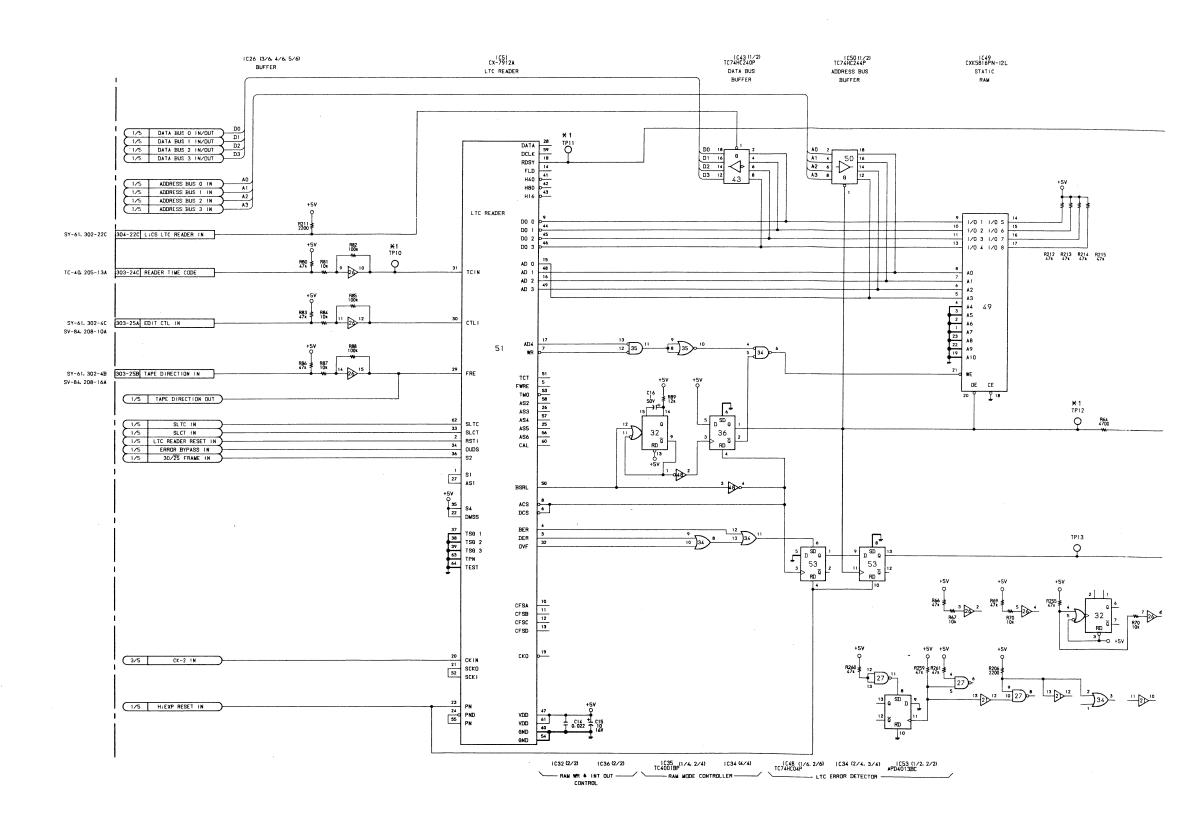
16-297 16-298 С

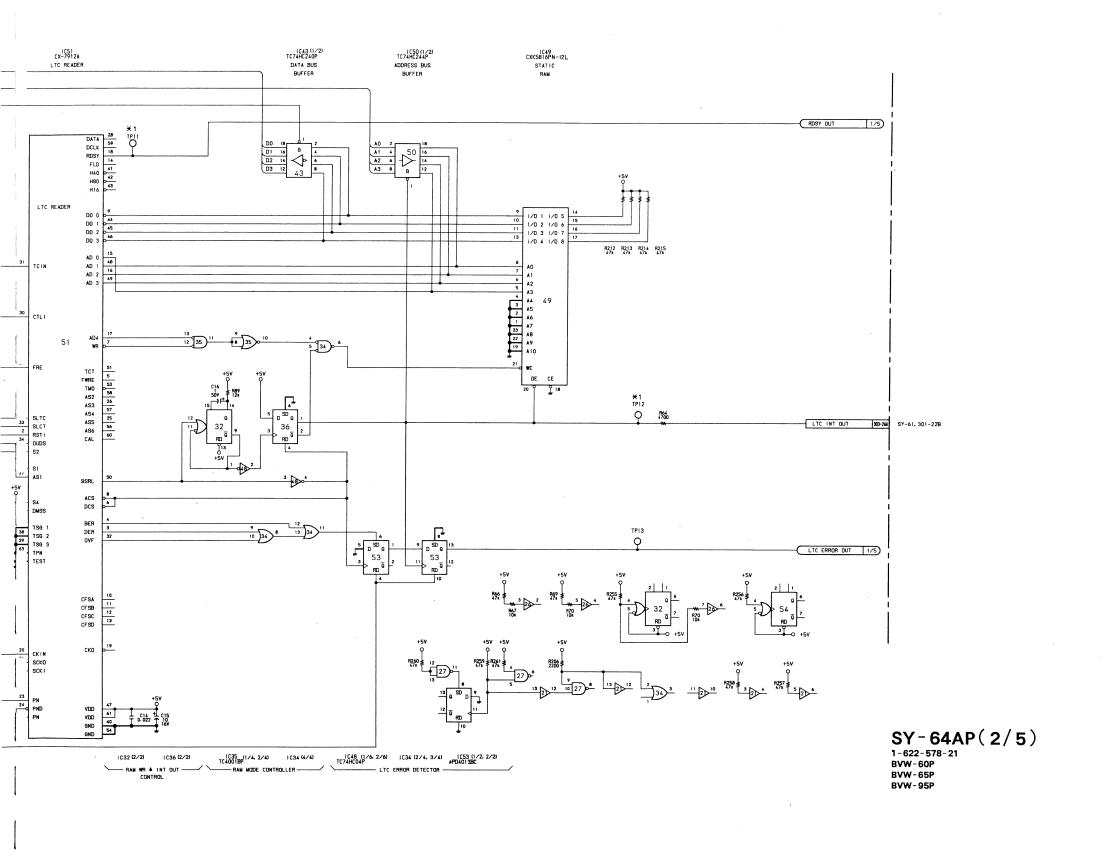


## SY-64AP (2/5); LTC READER

NOTE

	MARK	CHANGE INFORMATION	SERIAL NO.
-	*1	DELETED TP10 ~ TP12	S∕N 11425 ∼





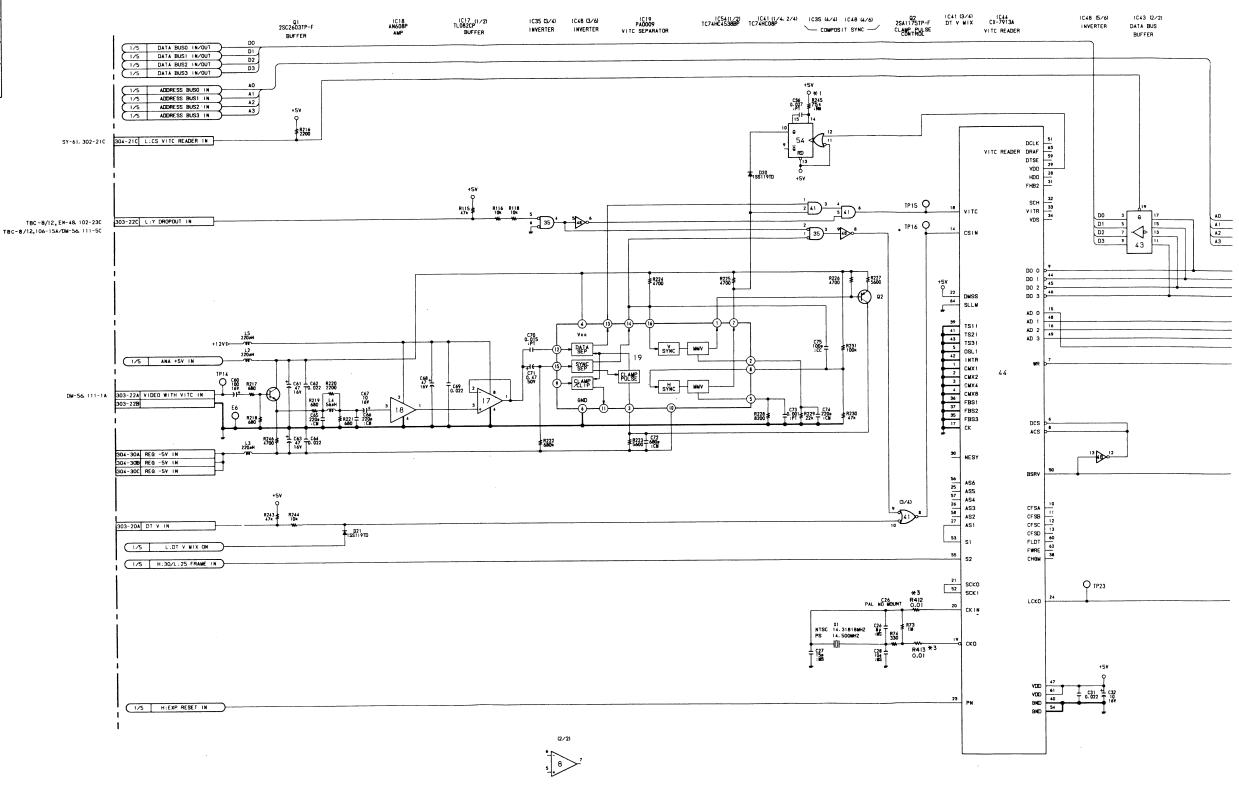
16-306

K

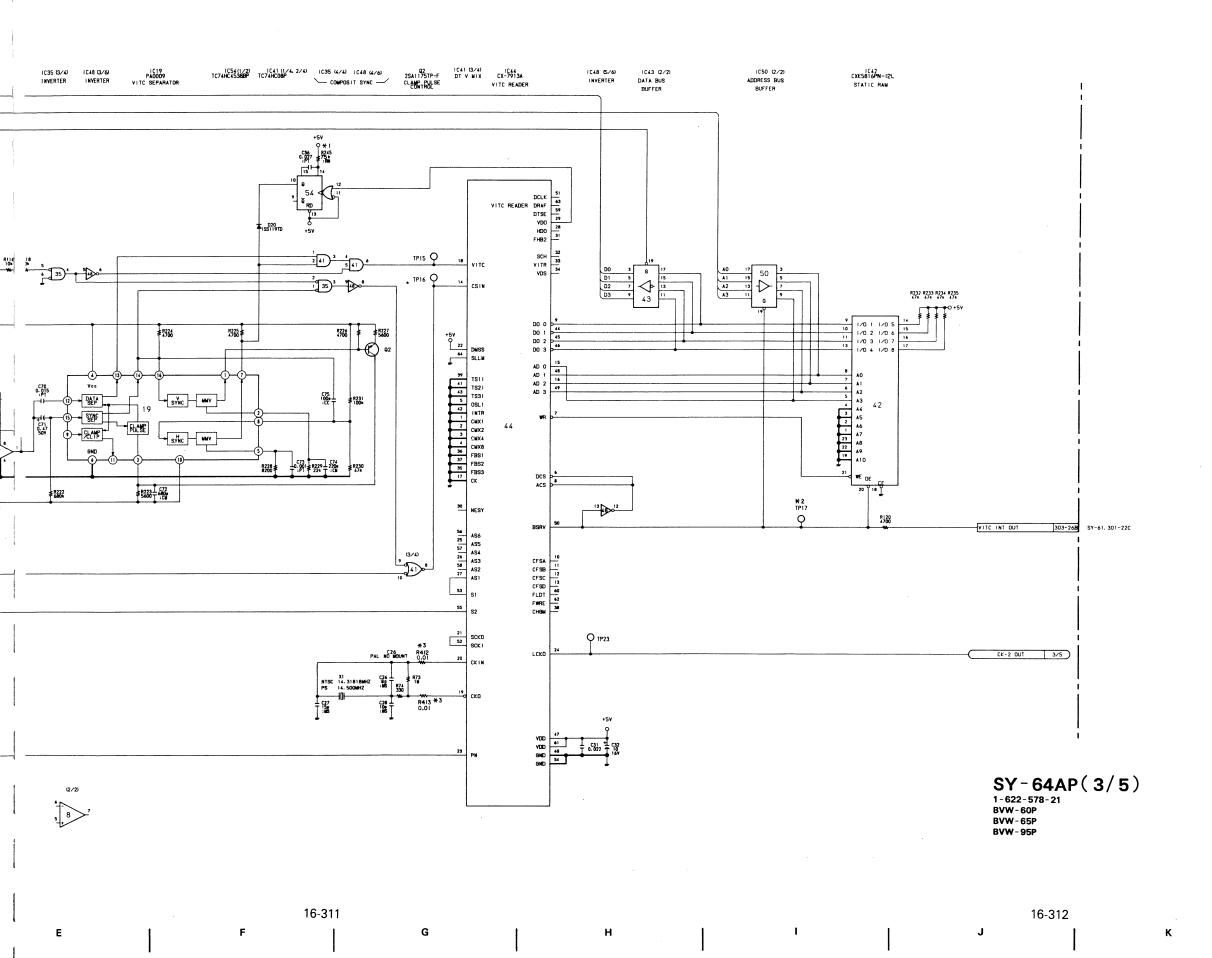
## SY-64AP (3/5); VITC READER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R245 62k → 75k	S∕N 11155 ~
*2	TP17 DELETED	S/N 11425 ~
*3	JR1 → R412 JR3 → R413	S/N 12302 ~



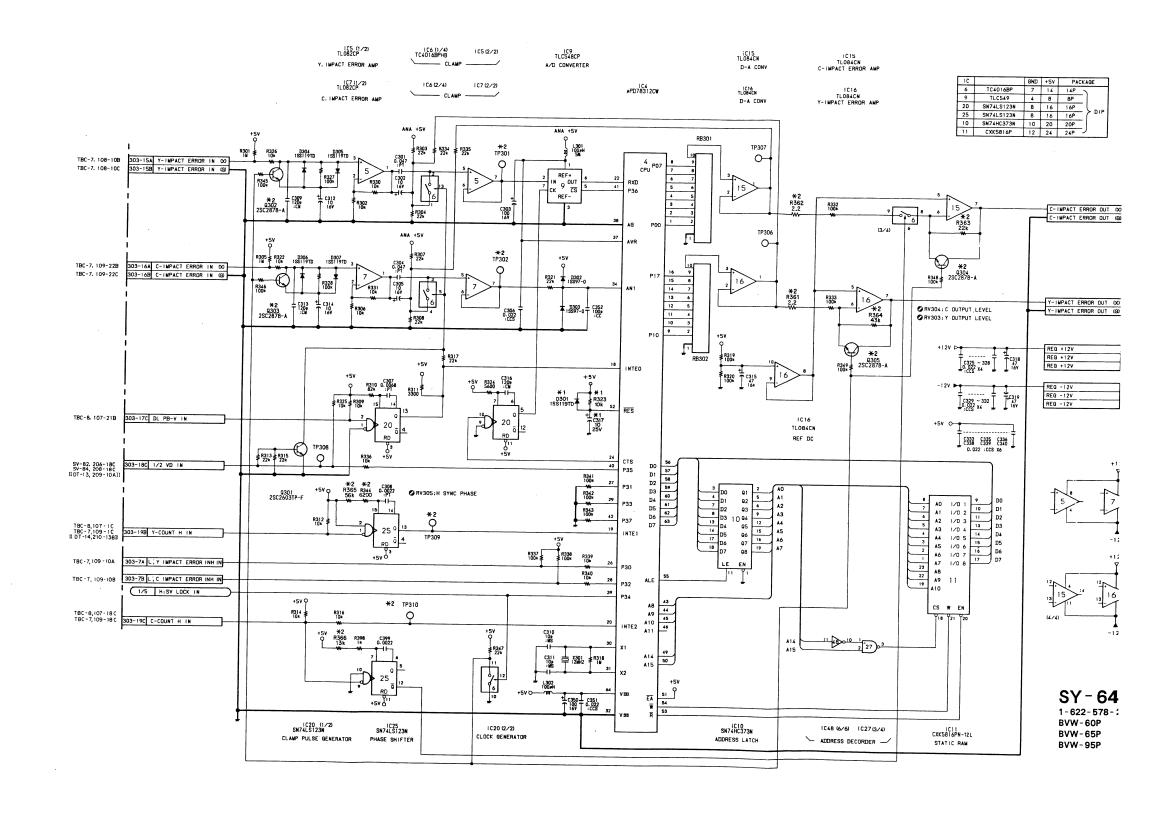
16-311 16-310



## SY-64AP (4/5); TIME BASE IMPACT ERROR CORRECTOR SY-64AP (5/5); SENSOR AMPLIFIER

NOTE

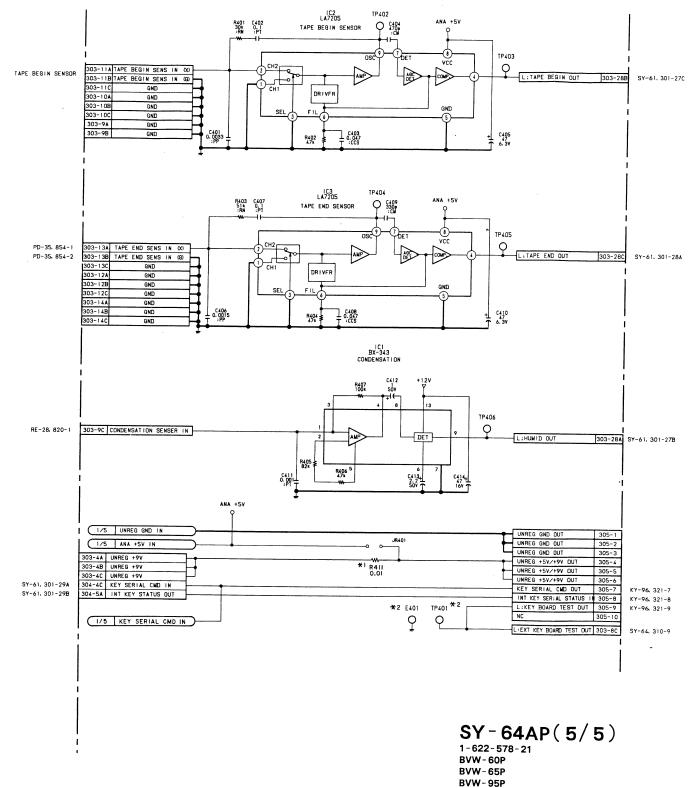
MARK	CHANGE INFORMATION	SERIAL NO.
*1	C317 10/25V DELETED D301 1SS119 DELETED R323 10k DELETED	S∕N 10544 ∼
*2	DELETED  9302~ 9305  TP301, TP302, TP309, TP310, TP401, E401  R344 1k → 6200  RV303 100k →  R364 43k  RV304 100k →  R363 22k  RV305 100k →  R365 56k  RV399 100k →  R366 13k  S301 → R361 2.2  S302 → R362 2.2	S/N 11425 ∼



16-317

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	JR402 → R411	S/N 12302 ~



16-319

16-320

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SY-64AP(4/5)
1-622-578-21
BVW-60P
BVW-65P
BVW-95P

C333 C335 C336 I C336 C339 C346 I

K

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IVI

PD-35

PD-35; PINCH/CLEANING SOLENOID

PTC-15; THREAD/UNTHREAD END SENSOR

CL-14; CASSETTE-UP COMPARTMENT

CL-24; CASSETTE-UP COMPARTMENT LED

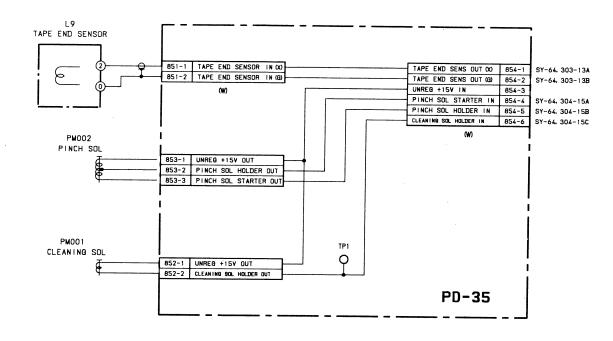
PC-32/47; LARGE/SMALL CASSETTE DETECTOR PC-33; CASSETTE DOWN DETECTOR

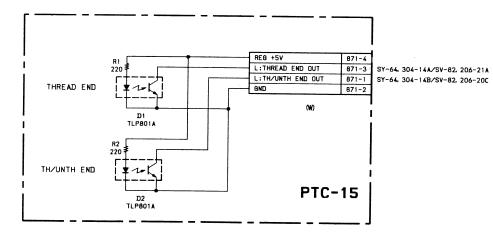
PC-41; CASSETTE IN DETECTOR

CCM-2; UP/DOWN MOTOR HC-11; HOURS METER

NOTE	

MARK	CHANGE INFORMATION	SERIAL NO.
*1	PC-32 → PC-47	S/N 10192 ~
*2	DELETED PLO01, PLO02, PLO03 ADDED CL-24	S/N 12112 ~





# **PD-35**

1-622-596-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

PC-4 L:LARGE/H:SMALL IN 332-1 L:LARGE/H:SMALL OUT H: CASSETTE IN 1 IN 332-2 H: CASSETTE IN 1 IN R1 2200 LED L/S OUT 332-3 341-5 LED L/S IN 2200 H: CASSETTE IN 2 IN 332-4 341-4 H: CASSETTE IN 2 IN LED IN 2 OUT 332-5 LED IN 2 IN SY-64. 304-12A 331-1 R3 2200 L:LARGE H:SMALL 332-6 SY-64. 304-11C 331-2 H: CASSETTE IN 1 332-7 LED IN 1 IN SY-64, 304-12C 331-3 H: CASSETTE IN 2 331-4 +12V IN PC-33 SY-64, 304-12B 331-6 L:CASSETTE COMPARTMENT EXIST SY-64, 304-11A 331-7 H:CASSETTE DOWN 1 H:CASSETTE DOWN 1 IN 333-1 SY-64, 304-11B 331-8 H: CASSETTE DOWN 2 R4 2200 LED OUT 333-2 SY-64, 304-14C 331-9 L:CASSETTE LAMP ON 333-3 331-10 UNREG GND SY-64, 304-18A, 18B 331-11 CASSETTE UP/DOWN MOTOR SY-64, 304-19A, 19B 331-12 CASSETTE UP/DOWN MOTOR ( H:CASSETTE DOWN 2 IN 334-1 LED DUT 334-2 PC-41 PC-41 334-3 PC-33 \_\_\_\_ **\*2** PL001 REG +12V OUT 335~1 L:LAMP ON DUT 335-2 \*2 PLO02 CASSETTE LAMP REG +12V OUT 335-3 L:LAMP DN DUT 335-4 335-5 335-6 PL003 REG +12V OUT L:LAMP ON DUT CL-14 CASSETTE UP/DOWN MOTOR (+) 336-3 1-1 CASSETTE UP/DOWN MOTOR CASSETTE UP/DOWN MOTOR (-) 336-2 1-2 CASSETTE UP/DOWN MOTOR 336-1 MODE UP/DO MOTO CCM-2 \*2 CL - 24 CL-14 1-622-602-11 BVW-60P BVW-70P BVW-65P BVW-75P

16-324

В

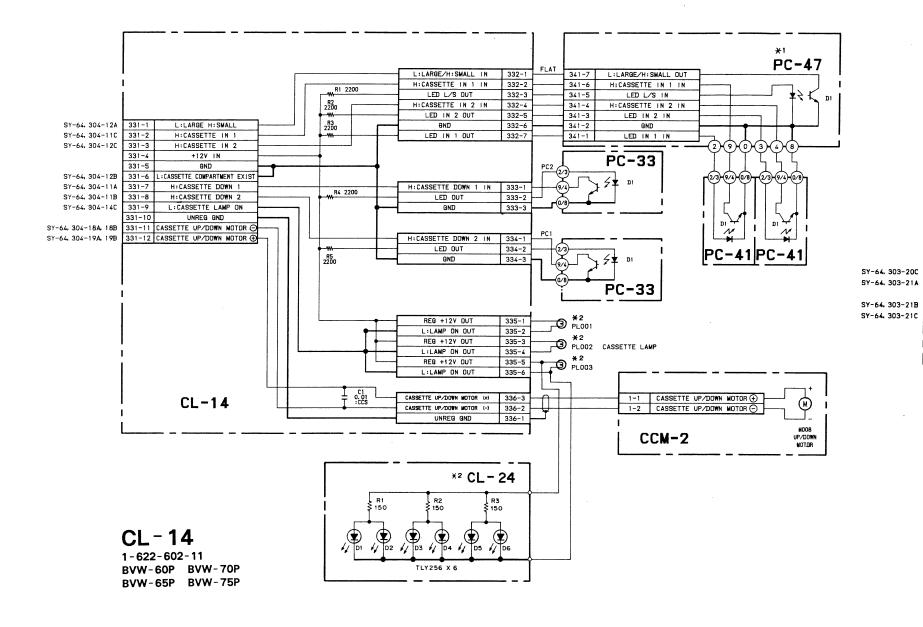
C

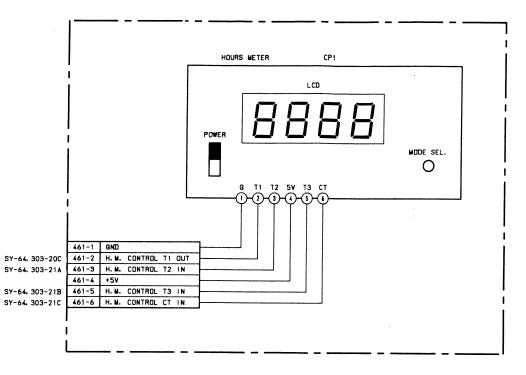
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16-325

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## **HC-11**

1-622-595-11 BVW-60P BVW-75P BVW-65P BVW-70P

16-325

KY-96B; KEY BOARD

KY-107; KEY BOARD DP-71A; TIME COUNTER DISPLAY

PTC-32; SEARCH DIAL

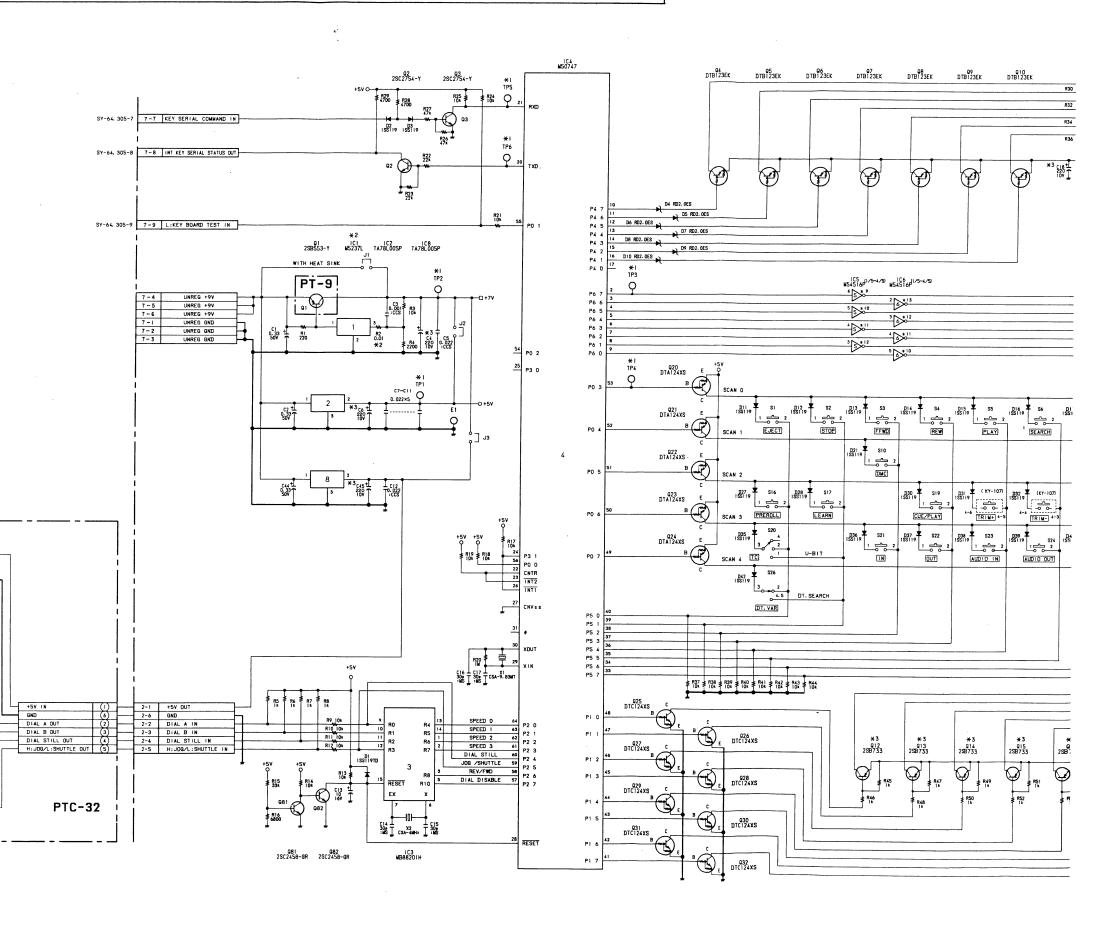








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MARK	CHANGE INFORMATION	SERIAL NO.
*1	TP1, 2, 3, 4, 5, 6 DELETED	S/N 11155 ∼
*2	IC1 M5236L → M5237L R2 15k → 0.01	S/N 12407 ∼
*3	C4, C6, C18, C19, C45 470/10V → 220/10V Q12~Q19 2SB822-R → 2SB733	S∕N 12640 ∼

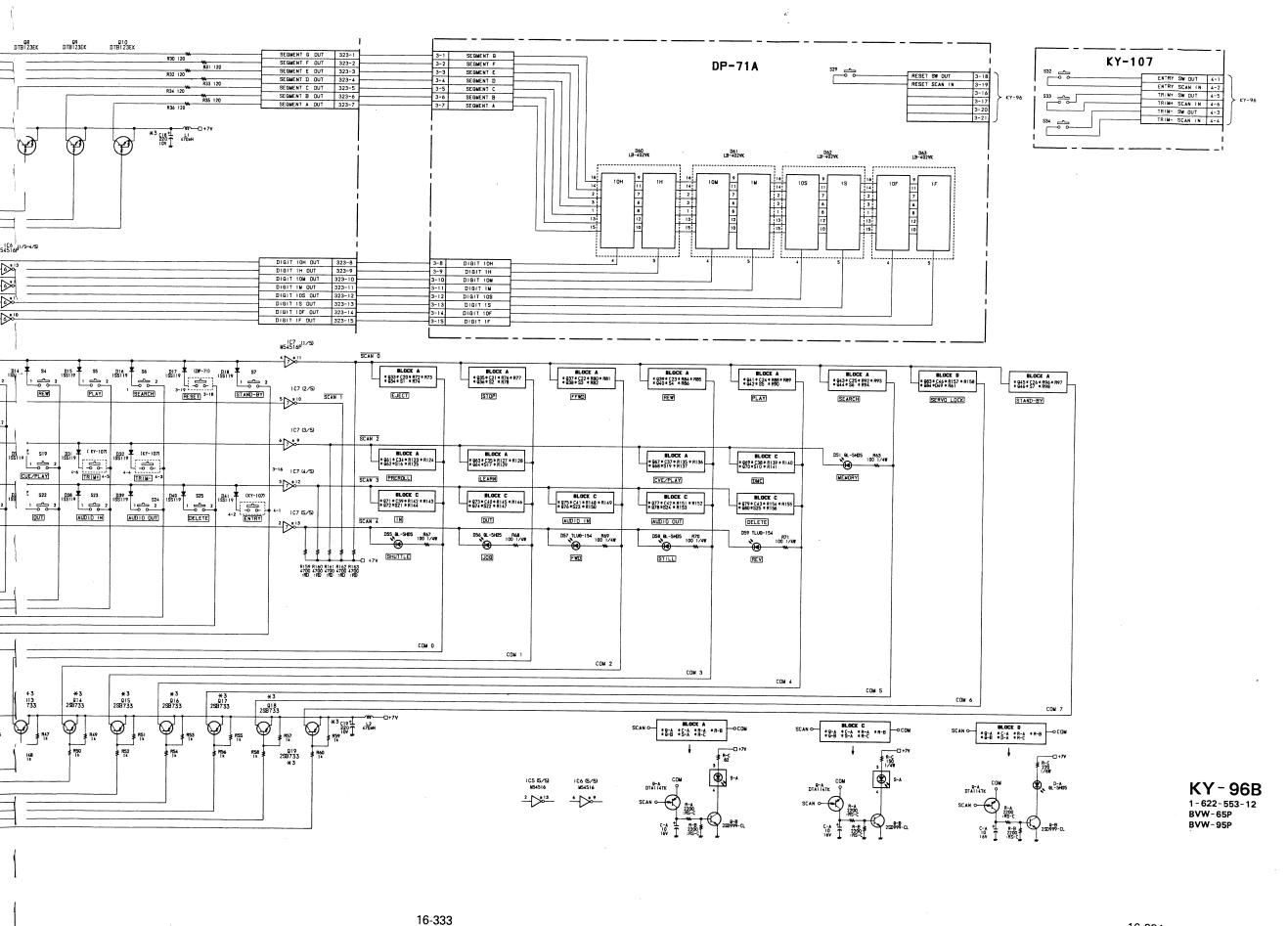


16-331

IC2 IC4 IC3 IC1 IC5
GP1L52 GP1L53 GP1L52 UPC339C

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## TC-40AP; LTC PB AMPLIFIER

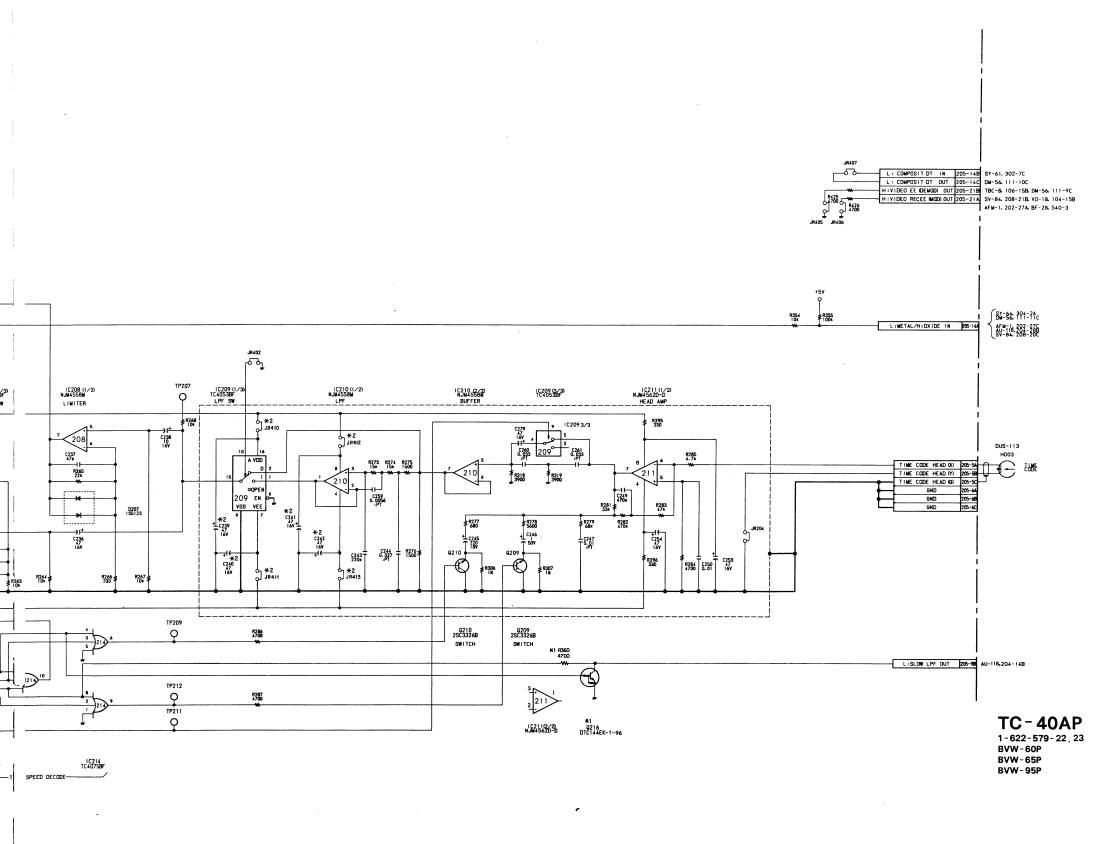
16-339

С

2

NOTE SERIAL NO. MARK CHANGE INFORMATION C403 47 DELETED IC206 TL082CPS → S/N 10575 ~ NJM082M Q216 DTC144EK DELETED R360 4700 ADDED DELETED S/N 11425 ~ DELETED

C233, C234, C239,
C240, C241, C242,
R237, RV201,
TP205, TP206, E201
C280 0.15/35V → 1/ R359 330k →47k R450 10 ADDED R451 620 ADDED R238 → R237 R258 → JR408 R261 → JR409 R269 → JR410 R270 → JR411 R271 → JR412 R272 → JR413 IC204 (1/2) READER NJM2903M TIME CODE OUT IC205 (1/2) TC4052BF READER TIME CODE OUT SELECT R234 2200≢ TP203 S/N 12032 ~ C221 47/16V DELETED SY-64, 303-24C 13A READER TIME CODE OUT R232 ₹R230 22k 100k 10407 \*1 IC206 (1/2) (2/2) JR205 NJM082M TIME CODE AMP IC215 (1/2) NJN4556D 0212 25027120 0211 2SC27120 10208 (1/2) NJM4558M 1C208 (2/2) NJM4558M IC209 (2/3) TC4053BF L201 45#H TIME CODE OUT PUT DRIVER TIME CODE MUTE EQUALIZER SWITCH GAIN SW LIMITER R244 SL202 R256 CNOO7 TIME CODE OUT R265 22k R259 220k R246 R250 470k D207 1\$\$123 C228 0.01 :PT C236 NTSC 0.01 PAL 0.022 ± C230 16V ₹ R255 16V ₹ E301 R249 ■ 1M C235 R266 330 ≢ 11A TIME CODE OUT (G) +| C224 | C225 T 160 T 0. 022 -12V ► RV202; LTC AMP DUTPUT L202 45#H \*2 TP205 R236 10k SY-64 303-23C 13C L:TIME CODE EXIST OUT 17C TAPE SPEED 1 IN
18A TAPE SPEED 2 IN
18B TAPE SPEED 3 IN SV-82. 206-17C SV-82, 206-18A SV-82, 206-18B DTA144EK SW DRIVER IC212 TC4538BF ORV201: LTC MUTING LEVEL EXIT OUT TIME CODE LEVEL COMPARATOR 0215 DTA144EK TIME CODE EXIST 1C214 TC4075BF



TP207 (A-1)

Play back the recorded tape in the modes below.

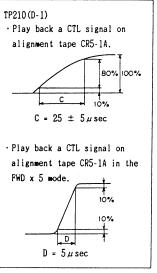
REW FWD × 1/5

REV × 5 FWD × 5

REV × 1/5 F.FWD

A = 100mV or more (OXIDE TAPE)

A = 130mV or more (METAL TAPE)



16-341

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16-342

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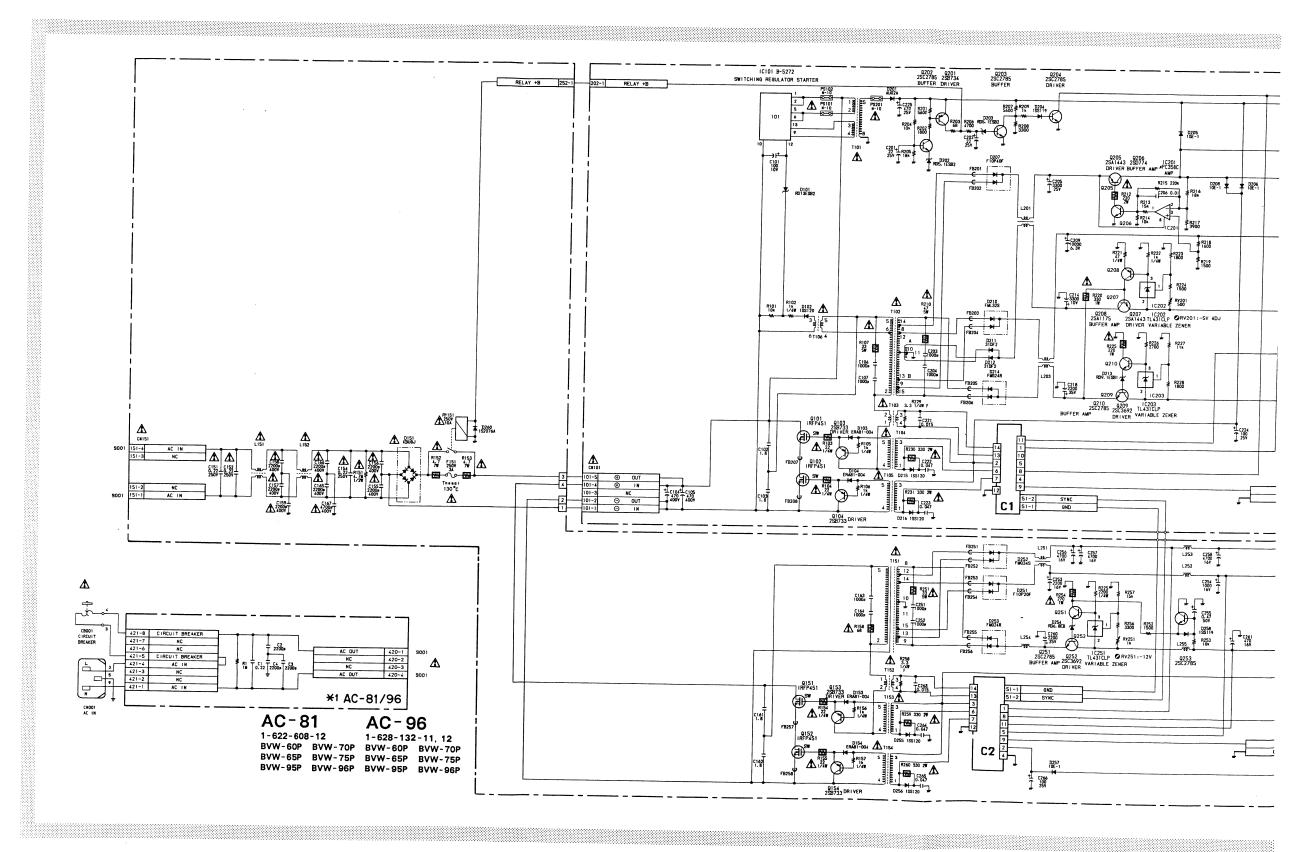
AC-81/96; RELAY BOARD OF AC INLET

C 1; SWITCHING REGULATOR C 2; SWITCHING REGULATOR

M1; SWITCHING REGULATOR M2; SWITCHING REGULATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	AC-81 → AC-96	S/N 10192 ~



16-347

1

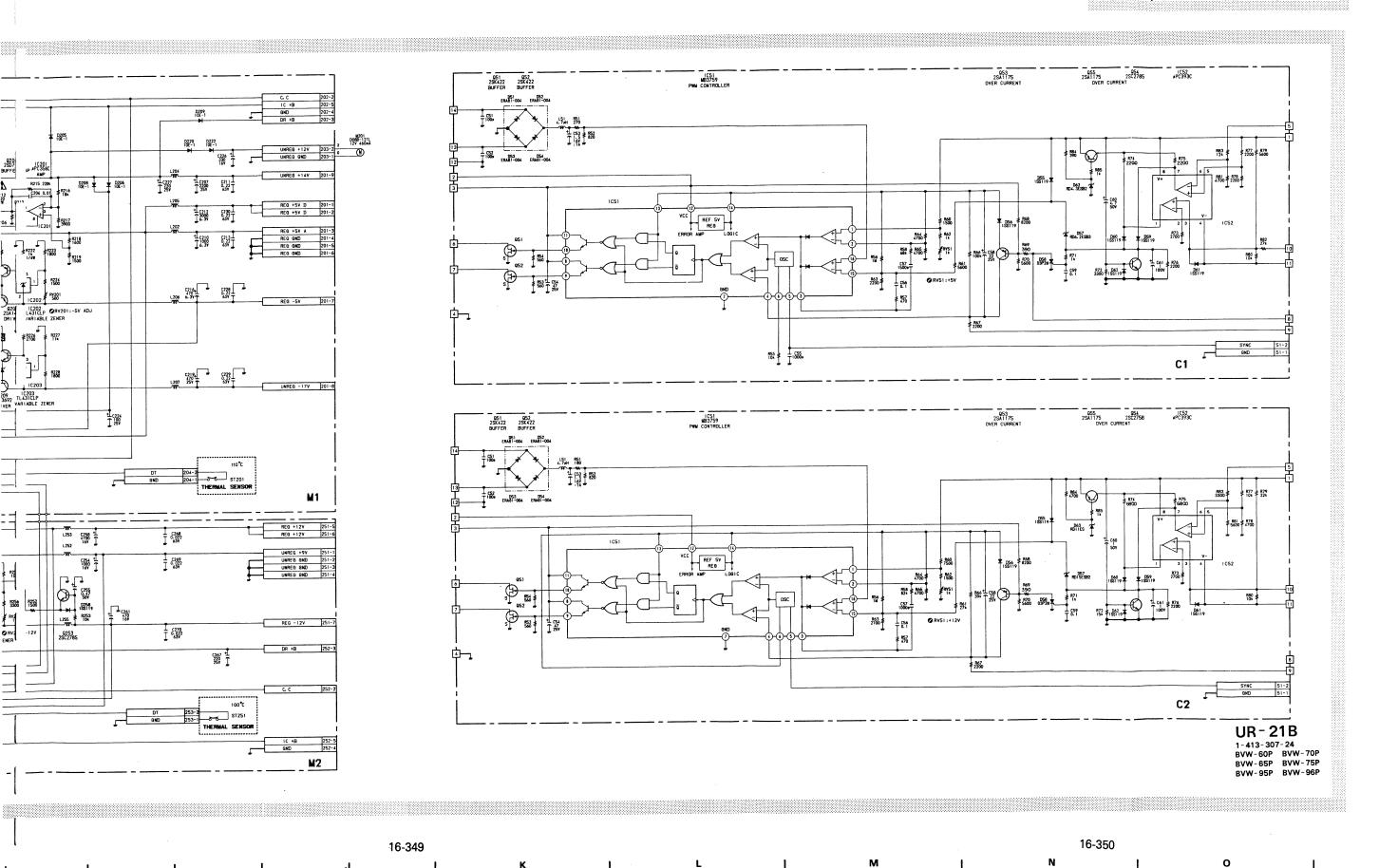
16-348

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NOTE:

The shaded and  $\Lambda$ -marked components are critical to safety.

Replace only with same components as specified.

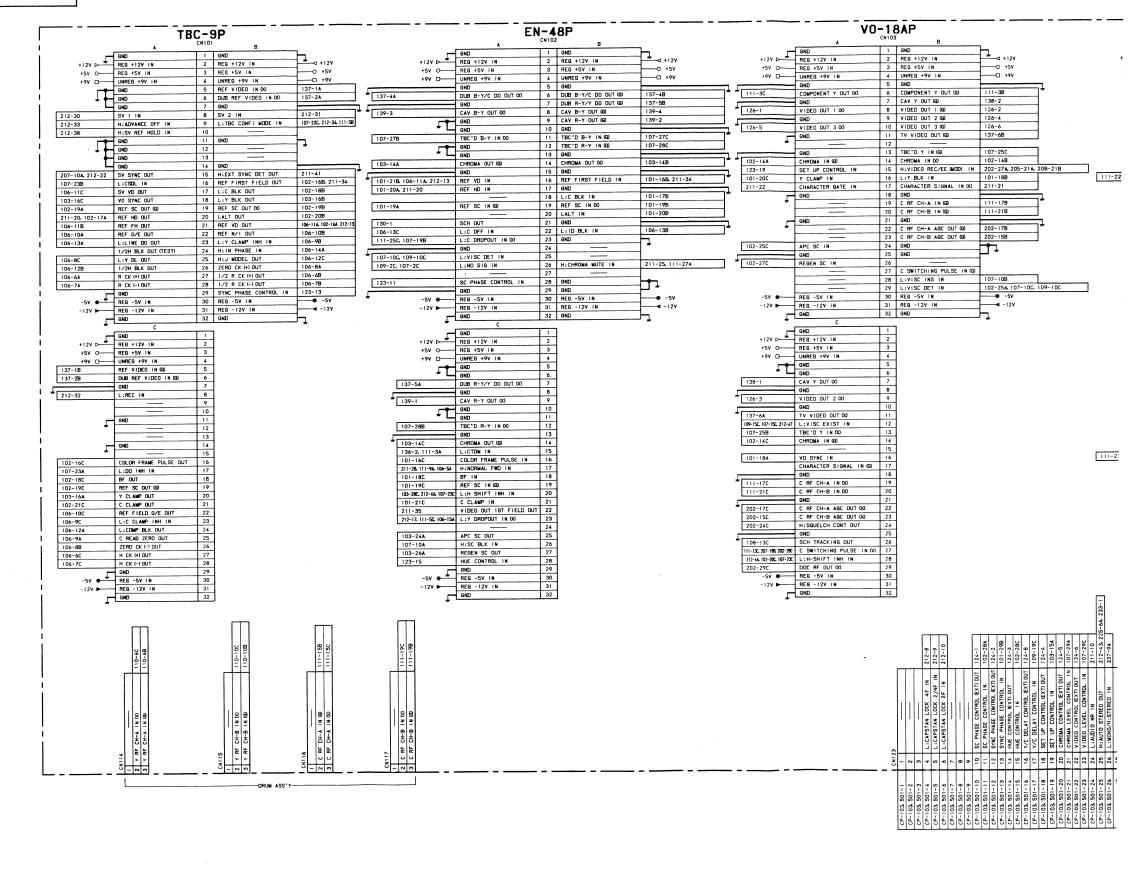


S/N 10061 through 10769

NOTE

1

MARK	CHANGE INFORMATION	SERIAL NO.				
*1	DEC-39A → DEC-46AP	s/N 10670 ∼				



16-356 (a) 16-355 (a) Н С

		TBC-8P										
	A A	CN105 B		/	<u> </u>	CN106 B			<b>A</b>	CN107	P	\
787	GND	1 GND	_h	<u>[</u>	GND	1 GND		109-1A. 110-15C	Y GATED H OUT	1 1 T Y	PB SYNC IN	109-1B
—— → +12V +12V → +5V +5V O	RES +12V IN	2 REG +12V IN	+12V		REG +12V IN	2 REG +12V IN	± +12V	210-11A 109-2A	L:Y SDO OUT		BC SWITCHING PULSE IN	
		3 REG +5V IN 4 UNREG +9V IN	O +5V		REG +5V IN	3 REG +5V IN	O +5V	111-8B, 109-3A	L;F BID OUT		:Y DGB OUT	109-3B
197 0-	UNKEG +9V IN		+9V		UNREG +9V IN	4 UNREG +9V IN	+9V	109-4A	DATA (Q)	4 D		109-4B
1-38		6	$\dashv$		H: NORMAL FWD	5		109-5A	Y WRITE CK IN	5 G		109-5B
1-2		7			R CK (+) IN	6 1/2 R CK (+) 1N	101-27B	109-6A	Y-AD DATA 27 IN	6 G		109-6B
<del>-2</del>		8	-		ZERO CK (+) IN	7 1/2 R CK (-) IN	101-28B	109-7A	Y-AD DATA 25 IN	7 GI		109-7B
-4		9 -	-		C READ ZERO IN	8 ZERO CK (-) IN	101-26C	109-8A	Y-AD DATA 23 IN	B GI		109-8B
-6		10	_		REF ODD/EVEN IN	9 L:Y CLAMP INH DUT .	101-23B	109-9A	Y-AD DATA 21 IN	9 GI		109-9B
-6B		11	-		REF VD IN	10 REF N/I IN	101-22B	102-26C	H;SC BLK OUT		VISC INS OUT	103-28B
		12	_		L:COMP BLK IN	11 REF FH IN 12 1/2 H BLK IN	101-21A	109-11A	C-AD DATA 27 IN	11 G		109-11B
~25C		13 —			L:LINE DO	13 L: ID BLK OUT	101-26A	109-12A	C-AD DATA 25 IN	12 GF		109-12B
-14B		14 —	┪		H: INPHASE OUT	14 DT V IN	102-22B	109-13A	C-AD DATA 23 IN	13 GF		109~13B
-27A, 205-21A, 208-21B		15 —			L:Y DROPOUT IN	15 H: VIDEO EE (DEMOD) IN	210-12A 212-42	109-14A	C-AD DATA 21 IN	14 GN		109-14B
-18B 111-22C, 107-24	A EDGE GND	16 EDGE N OUT	111-22B.107-22B		Y WRITE ZERO IN	16 GND	205-21B, 111-9C	109-15A	C WRITE CK IN	15 GA		109-15B
-21		17		LissisisL	WILL TEND IN	10 GND	108-16B	109-16A	DATA (Q)	16 DA		109-16B
		18						210-11B 109-17A	L;C SDO OUT		C DGB OUT	109-17B
-17B *		19						210-13A 109-18A 109-19A	C GATED H OUT		PB SYNC IN	109-18B
-21B		20						211-36	C WRITE ZERO IN		C DROPOUT (X) IN	102-23A 111-25C
		21						212-37	PB B-Y FP1 OUT		B-Y FP2 OUT	211-37
-17B		22						105-16C, 111-22A	H:COMB FILTER OFF IN EDGE-P IN		PB V OUT	212-40
15B		23	٦					101-17C	L:DO INH DUT	22 ED		111-22B. 105-16B
		24						105-16A 111-22C	EDGE GND		CS DL OUT	101-16A
		25								24 GN		
		26						<b>₽</b>	TBC D Y OUT (G)	25 TB	C.D A ON 100	103-13C **
·		27 SUB DEMOD Y IN (Q)	114-4B					-	TBC D B-Y OUT (G)			102 111
10B		28							TBC 'D R-Y OUT (B)		C'D B-Y OUT (X)	102-11A W
25A 107-10C, 109-10C		29 ——	_					123-21	CHROMA LEVEL CONTROL IN		C'D R-Y DUT (X)	102-120
	REG -5V IN	30 REG -5V IN	• -5v						REG -5V IN		9 -5V IN	-5v
4 -12V −12V ►	REG -12V IN	31 REG -12V IN	-12V						REG -12V IN		8 -12V IN	-5V
J	GND	32 GND	<u> </u>					.2.,		31 RE		-12V
•	c		**		С				C	J JZ   UNI	·	<u>, "</u>
1	GND	1		H.	GND	1		212-14, 210-13B, 109-10				
+12V >		2			REG +12V IN	2		102-26A 109-2C	L:NO SIG OUT	2		
+5V O		3			REG +5V IN	3		109-3C	GRY SWITCH CONTROL OUT			
+9V D	UNREG +9V IN	4		+97	UNREG +9V IN	4		109-4C	DATA (G)	4		
		5				5		109-5C	VISC IN	5		
		6			H CK (+) IN	6		109-6C	Y-AD DATA 26 IN	6		
		7			H CK (-) IN	7		109-7C	Y-AD DATA 24 IN	7		
		8			.: V DL IN	8		109-8C	Y-AD DATA 22 IN	8		
		9		101-23C L	C CLAMP INH OUT	791		109-9C	Y-AD DATA 20 IN	9		
		10			REF FIELD O/E IN	10		102-25A 109-10C	L:VISC DET DUT	10		
		11		101-17A S	N D IN	111		109-11C	C-AD DATA 26 IN	11		
		12		101-25B H	1:J NODEL IN	12		109-12C	C-AD DATA 24 IN	12		
		13		102-22A L	C OFF OUT	13		109-13C	C-AD DATA 22 IN	13		
		14		209-16A V	SELECT IN	14		109-14C	C-AD DATA 20 IN	14		
		15		209-16C S	SKIP IN	15		109-15C, 212-47, 103-12C		15		
111-22A 107-22	EDGE P OUT	16		111-6B 108-16C B	SID LEVEL OUT	16		109-16C		16		
		17	•					109-17C		17		
		18						212-15. 109-18C				
		19						212-41		18		
		20								19		
		21						211-33		20		
		22						211-29, 109-208	L: NOISELESS PB IN	21		
		23						111-5B, 212-34, 101-9B		22		
		24						212-46. 102-20C. 103-28C		23		
		25					Ţ			24		
		26						103-1309		25		
112-110	SUB DEMOD Y IN (X)	27					Ţ			26		
		28						102-11B		27		
		29						102-129		28		
-5V <b>⊕</b>	REG -5V IN	30						123-23		29		
	REG -12V IN	31						-5v <b>●</b>		30		
-	GND	32						-12V ►		31		
<del> </del>		<del></del>						Ţ	GND	32		
0		2 2										
25-6A.		+12V -12V										
		YOT			<del></del>	1						
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124-3 102-28C 102-28C 124-6 109-19C 109-19C 109-19C 109-19C 109-19C 109-19C 109-19C 121-43 124-6 107-29C 231-43 237-9A	123-10 123-12 123-14 123-18 123-20 123-20	123-16		111-28 111-288 111-26 111-26C	103-84 103-88 103-98	88						
3 SYNC PARES CONTROL WITH THE WITH THE WITH THE WITH THE WORLD WITH THE WITH	<del>                                      </del>			<del>  -  -  -  -</del>	- - -	<del>                                      </del>						
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	잃罴빌띭뚲팉			9 9 9 9								
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16 16 17 17 17 19 19 19 19 20 20 22 22 23 23 23 25 25 26 27 27 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	C C C 4 C 9	시 <b>교</b>  이의		Z < < m m	CH 26	الماما						
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Pr-103.501-13 Pr-104.501-14 Pr-104.501-15 Pr-104.501-16 Pr-103.501-17 Pr-103.501-17 Pr-103.501-17 Pr-103.501-17 Pr-103.501-20 Pr	0 2 - 1	المامام		CH PAREL 019-2 1A DUB Y OUT (8) CH PAREL 019-2 1A DUB R-Y-0-Y (8) CH PAREL 019-1 1B DUB R-Y-78-Y OL CH PAREL 019-7 28 DUB R-Y-78-Y OL	CH PANEL 015-X CH PANEL 015-X CH PANEL 016-X CH PANEL 016-X	<u> </u>						
	RM-57, 451-10 RM-57, 451-12 RM-57, 451-11 RM-57, 451-8 RM-57, 451-7 RM-57, 451-9	2[7[2]			اِفَاقِاقِاً	0 0						
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16-357 (a)

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S/N 10770 and higher

REG +12V IN  REG +12V IN  REG +5V IN  REG +5V IN  OND  REG +5V IN  OND  OND  OND  OND  OND  OND  OND  O	1 GND	137-4B   137-5B   139-4   139-2   107-27C   107-28C   103-14B   101-16E 211-34   101-17B   101-20B   106-13B   211-27A   -5V   -12V   -12V   12V   1	102-25C 102-27C	GND COMPONENT Y OUT OO GND VIDEO OUT 1 OO GND VIDEO OUT 3 OO GND CHROMA IN 100 SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GRO REGEN SC IN	1 GND 2 REG +12V IN 3 REG +5V IN 4 UNREG +5V IN 6 COMPONENT Y OUT (0) 7 CAV Y OUT (0) 8 VIDEO OUT 1 (0) 10 VIDEO OUT 2 (0) 11 TV VIDEO OUT 3 (0) 11 TV VIDEO OUT 3 (0) 12 CHECKE STORM IN CO 15 H: VIDEO RECYEE (MIDD) 16 C.Y SUR STORM IN CO 17 CHARACTER SIGNAL II 18 GND 19 C RF CH-B IN (0) 20 C RF CH-B IN (0) 21 GND 22 C RF CH-B AGC OUT (2) 23 C RF CH-B AGC OUT (2) 24 GND 25 GND 27 C SWITCHING PULSE 28 L:VISC INS IN	138-2 126-2 126-4 126-6 137-68 107-25C 102-14B 0) IN 202-27A 205-21A 101-18B N 00 211-21 111-17B 111-21B (g) 202-17B (g) 202-15B	+12V +15V +5V +9V
REG +12V IN  REG +5V IN  REG +5V IN  UNREG +9V IN  GND  GND  GND  TBC** GND  1  TBC** GND  TBC	2 REG +12V IN 3 REG +5V IN 4 UNREG +9V IN 5 9ND 6 DUB B-Y/C DO DUT (G) 7 DUB R-Y/Y DO DUT (G) 8 CAV B-Y OUT (G) 10 GND 11 TBC: D B-Y IN (G) 11 TBC: D B-Y IN (G) 13 9ND 14 CHROMA OUT CO 15 9ND 16 REF FIRST FIELD IN 17 9ND 18 L: C BLK IN 19 REF SC IN CO 2 LALT IN 21 9ND 22 L: ID BLK IN 21 9ND 24 ————————————————————————————————————	O +SY  O +SY  137-48  137-58  139-4  139-2  107-27C  107-28C  103-14B  101-16B 211-34  101-17B  101-19B  101-20B  106-13B	+SV O +9V D 111-3C 126-1 126-5 102-14A 123-19 101-20C 211-22	REG +SV IN UNREQ +SV IN UNREQ +SV IN GMD COMPONENT Y OUT OO GMD VIDEO OUT I OO GMD VIDEO OUT 3 OO GMD CHROMA IN (Q) SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GMD APC SC IN GMD REGEN SC IN	3 REG +5V IN 4 UNRES +9V IN 5 GND 6 COMPONENT Y OUT (G) 7 CAY Y OUT (G) 8 Y IDEO OUT 1 (G) 8 Y IDEO OUT 2 (G) 10 Y IDEO OUT 3 (G) 11 TY Y IDEO OUT 3 (G) 11 TY Y IDEO OUT 3 (G) 12 CHROMA IN DO 14 CHROMA IN DO 15 H-Y IDEO REC/EE MODD 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GND 19 C RF CH-A IN (G) 20 C RF CH-B AGC OUT (G) 21 GND 22 C RF CH-B AGC OUT (G) 24 GND 25 GND 26 C C SWITCHIN GP ULSE 26 C C SWITCHIN GP ULSE 27 C SWITCHIN GP ULSE 28 L:Y ISC INS IN	O +5V  — □ +9V  111-3B  138-2  126-2  126-6  137-6B  107-25C  102-14B  101-18B  N © 211-21  111-17B  111-17B  111-17B  (Q) 202-17B  (Q) 202-15B	208-21B
REG 15V IN  UNREG 49V IN  UNRE	4 UNREG +9V IN 5 GND 6 DUB B-Y/C DO OUT (G) 7 DUB R-Y/Y DO OUT (G) 9 CAV B-Y OUT (G) 9 CAV B-Y OUT (G) 10 GND 11 TBC: D B-Y IN (G) 12 TBC: D R-Y IN (G) 13 GND 14 CHROMA OUT CO 15 GND 16 REF FIRST FIELD IN 17 GND 18 L: C BLK IN 19 REF SC IN CO 21 LALT IN 21 GND 22 L: ID BLK IN 23 GND 24 ————————————————————————————————————	137-48 137-58 139-4 139-2 107-27C 107-28C 103-14B 101-10B 211-34 101-17B 101-17B 101-20B 106-13B	111-3C 111-3C 126-1 126-5 102-14A 123-19 101-20C 211-22	UNREG +9V IN GND COMPONENT Y OUT OO GND VIDEO OUT 1 OO GND VIDEO OUT 3 OO GND CHROMA IN (0) SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GND REGEN SC IN	4 UNREG +99 IN 5 GND 6 COMPONENT Y OUT (0) 7 CAV Y OUT (0) 8 VIDEO OUT 1 (0) 9 VIDEO OUT 3 (0) 10 VIDEO OUT 3 (0) 11 TV VIDEO OUT 3 (0) 12 THE COMPONENT Y OUT (0) 15 H: VIDEO OUT 60 16 L: Y BLK IN 17 CHARACTER SIGNAL 11 18 GND 20 C RF CH-A IN (0) 21 GND 22 C RF CH-B IN (0) 23 C RF CH-B OUT (0) 24 GND 25 GND 26 GND 26 GND 27 C SWITCHING PULSE 28 L: VISC INS IN	111-3B 138-2 126-2 126-4 126-6 137-6B 107-25C 102-14B 0) IN 202-27A 205-21A 101-18B N 00 211-21 111-17B 111-17B 111-21B (Q) 202-17B (Q) 202-15B	208-21B
SND   DUS B-Y/C DD OUT 00	5 8MD 6 DUB B-Y/C DO OUT (0) 7 DUB R-Y/Y DD OUT (0) 8 CAY B-Y OUT (0) 9 CAY R-Y OUT (0) 10 GND 11 TBC: D B-Y IN (0) 13 8MD 14 CHROMA OUT OO 15 GND 16 REF FIRST FIELD IN 17 OND 18 L:C BLK IN 19 REF SC IN OO 22 L:LT IN 21 GND 22 L:LT IN 21 GND 22 L:LT D BLK IN 24	137-4B 137-5B 139-4 139-2 107-27C 107-28C 103-14B 101-168, 211-34 101-17B 101-17B 101-20B 106-13B	111-3C 126-1 126-5 102-14A 123-19 101-20C 211-22	GND  OND  OND  OND  OND  OND  OND  OND	5 GMD 6 COMPONENT Y OUT (Q) 7 CAY Y OUT (Q) 8 VIDEO OUT 1 (Q) 9 VIDEO OUT 2 (Q) 10 VIDEO OUT 3 (Q) 11 TY VIDEO OUT 3 (Q) 12 13 TBC*D Y IN (Q) 14 CHROMA IN (C) 15 H:VIDEO REC/EE (MOD) 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GND 19 C RF CH-B IN (Q) 20 C RF CH-B IN (Q) 21 GMD 22 C RF CH-B AGC OUT (Q) 23 C RF CH-B AGC OUT (Q) 24 GMD 25 GMD 26 27 C SWITCHING PULSE 28 L:VISC INS IN	1111-3B 138-2 126-2 126-4 126-6 137-6B 107-25C 102-14B 0) IN 202-27A, 205-21A 101-18B N 00 211-21 111-17B 1111-21B (0) 202-17B (0) 202-17B	208-21B
DUB B-Y/C DO OUT OO  OND  OND  OND  OND  OND  ITBC'D B-Y IN OO  ITBC'D B-Y IN OO  ITBC'D B-Y IN OO  OND  ITBC'D B-Y IN OO  ITBC'D B-Y IN OO  ITBC'D B-Y IN OO  OND  OND  OND  OND  ITBC'D B-Y IN OO  OND  OND  OND  OND  OND  OND  OND	6 DUB B-Y/C DO OUT (Q) 7 DUB R-Y/Y DO OUT (Q) 8 CAV B-Y OUT (Q) 9 CAV R-Y OUT (Q) 11 TBC: D B-Y IN (Q) 12 TBC: D R-Y IN (Q) 13 GND 14 CHROMA OUT CO 15 GND 16 REF FIRST FIELD IN 17 GND 18 L: C BLK IN 19 REF SC IN OO 20 LALT IN 21 GND 22 L: ID BLK IN 21 GND 24 25 26 H: CHROMA MUTE IN 27 GND 28 GND 29 GND 29 GND 30 REG -SV IN 30 REG -SV IN 31 REG -12V IN	137-58 139-4 139-2 107-27C 107-28C 103-14B 101-16B, 211-34 101-17B 101-17B 101-20B 106-13B	126-1 126-5 102-14A 123-19 101-20C 211-22	COMPONENT Y OUT OO  GND  YIDEO OUT 1 OO  GND  GND  GND  GND  GND  CHROMA IN (g)  SET UP CONTROL IN  Y CLAMP IN  CHARACTER GATE IN  GND  APC SC IN  GND  REGEN SC IN	6 COMPONENT Y OUT (Q) 7 CAY Y OUT (G) 8 VIDEO OUT 1 (Q) 9 VIDEO OUT 2 (Q) 10 VIDEO OUT 3 (Q) 11 TY VIDEO OUT 3 (Q) 12 CHECH 13 TEC'D Y IN (Q) 14 CHROMA IN (Q) 15 H: VIDEO REC'EE MODD 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GMD 19 C RF CH-A IN (Q) 20 C RF CH-B IN (Q) 21 GMD 22 C RF CH-B OUT (Q) 23 C RF CH-B OUT (Q) 24 GMD 25 GMD 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	138-2 126-2 126-4 126-6 137-68 107-25C 102-14B 0) IN 202-27A 205-21A 101-18B N 00 211-21 111-17B 111-21B (Q) 202-17B (Q) 202-15B	208-21B 111-22C. 10:
OND  CAV B-Y OUT OO  GND  GND  GND  ITBC'ID B-Y IN OO  GND  GND  ICHRONA OUT (Q)  GND  REF YD IN  REF YD IN  REF HD IN  ILLC DROPOUF IN OO  GND  LLY USC DET IN  LLY NO SIG IN  SC PHASE CONTROL IN  GND  REG -5V IN  GND  C  GND	7 DUB R-Y/Y DD OUT (Q) 8 CAV B-Y OUT (Q) 9 CAV R-Y OUT (Q) 10 GND 11 TBC:D B-Y IN (Q) 12 TBC:D R-Y IN (Q) 13 GND 14 CHOMA OUT OO 15 GND 16 REF FIRST FIELD IN 17 GND 18 L:C BLK IN 19 REF SC IN OO 2 LALT IN 21 GND 22 LALT IN 21 GND 22 LALT IN 23 GND 24 25 26 H:CHOMA MUTE IN 27 GND 28 GND 29 GND 30 REG -5V IN 31 REG -5V IN	137-58 139-4 139-2 107-27C 107-28C 103-14B 101-16B, 211-34 101-17B 101-17B 101-20B 106-13B	126-1 126-5 102-14A 123-19 101-20C 211-22	GND VIDEO OUT 1 CO GND VIDEO OUT 3 CO GND GND GND GND SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND GND GND GND GND GND REGEN SC IN	7	138-2 126-2 126-4 126-6 137-68 107-25C 102-14B 0) IN 202-27A 205-21A 101-18B N 00 211-21 111-17B 111-21B (Q) 202-17B (Q) 202-15B	208-21B 111-22C. 10:
CAV B-Y DUT DO  GND  TECT B-Y IN DO  GND  TECT B-Y IN DO  GND  GND  TECT B-Y IN DO  GND  TECT B-Y IN DO  GND  TECT B-Y IN DO  GND  TECT CO   8 CAV B-Y OUT (6) 9 CAV R-Y OUT (6) 11 TBC:D B-Y IN (6) 13 GND 14 CHROMA OUT OO 16 REF FIRST FIELD IN 17 GND 16 REF FIRST FIELD IN 17 GND 10 LGC BLK IN 19 REF SC IN OO 20 LALT IN 21 GND 22 L:ID BLK IN 21 GND 22 GND 24 GND 25 GND 26 H:CHROMA MUTE IN 27 GND 29 GND 30 REG -SV IN 31 REG -SV IN 31 REG -SV IN	139-4 139-2 107-27C 107-28C 103-14B 101-16B 211-34 101-17B 101-17B 101-20B 106-13B	102-14A 123-19 101-20C 211-22	GND VIDEO OUT 3 CO GND GND CHROMA IN (g) SET UP CONTROL IN V CLAMP IN CHARACTER GATE IN GND GND APC SC IN GND REGEN SC IN	9 VIDEO OUT 2 (40) 10 VIDEO OUT 3 (6) 11 TV VIDEO OUT 33 (7) 11 TV VIDEO OUT WAS 12 CHROMA IN 00 14 CHROMA IN 00 15 H: VIDEO REC/EE MODD 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GMD 19 C RF CH-B IN (60) 20 C RF CH-B IN (60) 21 GMD 22 C RF CH-B AGC OUT (6) 23 C RF CH-B AGC OUT (6) 24 GMD 25 GMD 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	126-4 126-6 137-68 107-25C 102-148 107-25C 102-148 101-188 N OD 211-21 111-178 111-218 (G) 202-178 (G) 202-158	208-21B 111-22C. 10:	
GND	9 CAV R-Y OUT (6) 10 GND 11 TBC:D B-Y IN (6) 12 TBC:D R-Y IN (6) 13 GND 14 CHROMA OUT OO 15 GND 16 REF FIRST FIELD IN 17 GND 18 L:C BLK IN 19 REF SC IN OO 20 LALT IN 21 GND 22 L:LID BLK IN 23 GND 24 ————————————————————————————————————	107-27C 107-28C 103-14B 101-16B 211-34 101-17B 101-17B 101-20B 106-13B	102-14A 123-19 101-20C 211-22	VIDEO OUT 3 CO GND GND CHROMA IN (G) SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GND REGEN SC IN	10	126-6 137-68 107-25C 102-148 0) IN 202-27A 205-21A 101-188 N 00 211-21 111-17B 111-21B (Q) 202-15B	208-218 111-22C. 10;
GND	10	107-28C 103-14B 101-16B 211-34 101-17B 101-17B 101-20B 106-13B 211-25 111-27A	102-14A 123-19 101-20C 211-22	GND  GND  CHROMA IN (Q)  SET UP CONTROL IN  Y CLAMP IN  CHARACTER GATE IN  GND  GND  APC SC IN  GROD SC IN	11 TV VIDEO DUT (G) 12 13 TBC' D Y IN (9) 14 CHROMA IN 00 15 H:VIDEO REC/EC (MOD) 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GND 19 C RF CH-A IN (G) 20 C RF CH-B IN (G) 21 GND 22 C RF CH-B AGC DUT ( 23 C RF CH-B AGC DUT ( 24 GND 25 GND 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	137-68 107-25C 102-148 202-274, 205-214. 101-18B N 00 211-21 111-17B 111-21B (G) 202-17B (G) 202-15B	208-21B 111-22C 10:
GND	12 TBC'D R-Y IN (G) 13 GND 15 GND 16 REF FIRST FIELD IN 18 L:C BLK IN 19 REF SC IN 00 20 LALT IN 21 GND 22 L:ID BLK IN 23 GND 24 ————————————————————————————————————	107-28C 103-14B 101-16B 211-34 101-17B 101-17B 101-20B 106-13B 211-25 111-27A	123-19 101-20C 2211-22	GND CHROMA IN (G) SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GND REGEN SC IN	12	107-25C 102-14B 101-18B 101-18B N 00 211-21 111-17B 111-21B (Q) 202-17B (Q) 202-15B	208-21B 111-22C. 10
SND	13	103-14B 101-16B 211-34 101-17B 101-17B 101-20B 106-13B 211-25 111-27A	123-19 101-20C 2211-22	GND CHROMA IN (G) SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GROWN G	13 TBC'D Y IN GB 14 CHROMA IN 00 15 H: VIDEO REC/EE GMODI 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GND 19 C RF CH-A IN GB 20 C RF CH-B IN GB 21 GMD 22 C RF CH-B AGC OUT G 23 C RF CH-B AGC OUT G 24 GMD 25 GND 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	102-148 102-274, 205-214. 101-18B N 00 211-21 111-17B 111-21B (G) 202-17B (G) 202-15B IN (G) 107-10B	208-21B 111-22C 10:
CHROMA OUT (40)  IND  IND  REF YD IN  REF YD IN  REF BO IN  REF SC IN (60)  SCH OUT  LIC OFF IN  LIC DROPOUT IN 00  LIVISC DET IN  LIND SIG IN  SC PHASE CONTROL IN  REG -5V IN  REG -12V IN  GND  C  GND  GND	14 CHROMA OUT CO 15 GND 16 REF FIRST FIELD IN 17 OND 18 L:C BLK IN 19 REF SC IN CO 20 LALT IN 21 GND 22 L:ID BLK IN 23 GND 24 ————————————————————————————————————	101-16E 211-34  101-17B  101-19B  101-20B  106-13B  211-2S 111-27A	123-19 101-20C 2211-22	CHROMA IN (g) SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GND REGEN SC IN	14 CHROMA IN CO 15 H: VIDEO REC/EE GMODI 16 L:Y BLK IN 17 CHARACTER SIGNAL II 18 GMD 19 C RF CH-A IN (G) 20 C RF CH-B IN (G) 21 GMD 22 C RF CH-B AGC OUT ( 23 C RF CH-B AGC OUT ( 24 GMD 25 GMD 26 GMD 27 C SWITCHING PULSE 28 L:VISC INS IN	102-148 102-274, 205-214. 101-18B N 00 211-21 111-17B 111-21B (G) 202-17B (G) 202-15B IN (G) 107-10B	1 208-21B 1111-22C, 10
SND	15	101-16E 211-34  101-17B  101-19B  101-20B  106-13B  211-2S 111-27A	123-19 101-20C 2211-22	SET UP CONTROL IN Y CLAMP IN CHARACTER GATE IN GND GND APC SC IN GND REGEN SC IN	16 LIY BLK IN 17 CHARACTER SIGNAL II 18 GMD 19 C RF CH-A IN G0 20 C RF CH-B IN G0 21 GMD 22 C RF CH-B AGC OUT G 23 C RF CH-B AGC OUT G 24 GMD 25 GND 26 GND 27 C SWITCHING PULSE 28 LIVISC INS IN	(a) 202-178 (b) 202-178 (c) 202-178 (d) 202-158	208-218
REF YD IN	16 REF FIRST FIELD IN 17 QND 18 LiC BLK IN 19 REF SC IN 00 20 LALT IN 21 QND 22 L:ID BLK IN 23 QND 24	101-17B 101-19B 101-20B 106-13B 211-25-111-27A	101-20C 211-22	CHARACTER GATE IN GND GND GND APC SC IN GROUP REGEN SC IN	17 CHARACTER SIGNAL II 18 GMD 19 C RF CH-A IN (G) 20 C RF CH-B IN (G) 21 GMD 22 C RF CH-A AGC OUT ( 23 C RF CH-B AGC OUT ( 24 GMD 25 GMD 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	N 60 211-21 111-178 111-218 (G) 202-178 (G) 202-158 IN (G) 107-108	1111-220.10
REF HD IN	17 OND 18 L:C BLK IN 19 REF SC IN 00 20 LALT IN 21 GND 22 L:ID BLK IN 23 OND 24	101-198 101-208 106-138 211-25, 111-27A	102-25C 102-27C	GND  GND  APC SC IN  GND  REGEN SC IN	18 GMD 19 C RF CH-B IN (G) 20 C RF CH-B IN (G) 21 GMD 22 C RF CH-B AGC DUT ( 23 C RF CH-B AGC DUT ( 24 GMD 25 GMD 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	111-17B 111-21B (Q) 202-17B (Q) 202-15B	
REF SC IN (G)	19 REF SC IN 00 20 LALT IN 21 GND 22 L:ID BLK IN 23 GND 24 ————————————————————————————————————	101-198 101-208 106-138 211-25, 111-27A	102-25C 102-27C	APC SC IN  GND  REGEN SC IN	19 C RF CH-A IN 60 20 C RF CH-B IN 60 21 GMD 22 C RF CH-B AGC OUT 6 23 C RF CH-B AGC OUT 6 24 GMD 25 GMD 26 C RF CH-B AGC OUT 6 27 C SWITCHING PULSE 28 L:VISC INS IN	111-21B  (G) 202-17B  (G) 202-15B  1N (G) 107-10B	
SCH DUT	20 LALT IN 21 GND 22 L:ID BLK IN 23 GND 24 ————————————————————————————————————	101-20B 106-13B 211-25 1111-27A		APC SC IN  GND  REGEN SC IN	20 C RF CH-B IN (G) 21 GND 22 C RF CH-A ASC DUT ( 23 C RF CH-B ASC DUT ( 24 GND 25 GND 26 C SWITCHING PULSE 27 C SWITCHING PULSE 28 L:VISC INS IN	111-21B  (G) 202-17B  (G) 202-15B  1N (G) 107-10B	
SCH DUT	21 GND 22 L: ID BLK IN 23 GND 24	106-13B 211-25-111-27A		APC SC IN  GND  REGEN SC IN	21 GND 22 C RF CH-A AGC OUT 0 23 C RF CH-B AGC OUT 0 24 GND 25 GND 26 CSWITCHING PULSE 28 L:VISC INS IN	(G) 202-17B (G) 202-15B (IN (G) 107-10B	
LIC OFF IN  LIC DROPOUT IN 00 2  GND  LIVISC DET IN  LIVISC DET IN  2.  LIND SIG IN  2.  SC PHASE CONTROL IN  GND  REG -5V IN  REG -12V IN  GND  C  GND	22 L:ID BLK IN 23 9ND 24 25 26 H:CHROMA MUTE IN 27 728 GND 29 GND 30 REG -5V IN 31 REG -12V IN	211-25, 111-27A		APC SC IN  GND  REGEN SC IN	22 C RF CH-A AGC OUT 0 23 C RF CH-B AGC OUT 0 24 GND 25 GND 26 27 C SWITCHING PULSE 28 L:VISC INS IN	(G) 202-15B	]*
L:C DROPOUT IN CO 2 GND 2 L:VISC DET IN 2 L:VISC DET IN 2 L:NO SIG IN 2 SC PHASE CONTROL IN 2 GND 2 GND 3 GND 3 GND 3 GND 3 GND 5 GND 5 GND 6 GND 6 GND 7 GN	23 OND 24	211-25, 111-27A		APC SC IN GND REGEN SC IN	23 C RF CH-B AGC DUT ( 24 GND 25 GND 26 27 C SWITCHING PULSE 28 L:VISC INS IN	(G) 202-15B	
GND	24	211-25, 111-27A		REGEN SC IN	25 GND 26 27 C SWITCHING PULSE 28 L:VISC INS IN	IN (6)	
L:VISC DET IN L:NO SIB IN  SC PHASE CONTROL IN GNO REG -5V IN REG -12V IN GNO C GNO C	25 ————————————————————————————————————	-5v	-5V <b>●</b>	REGEN SC IN	26	IN (6)	1
L:NO SIG IN 2 SC PHASE CONTROL IN 2 GND 2 REG -5V IN 3 GND 3 GND C	27	-5v	-5V <b>●</b>		27 C SWITCHING PULSE 28 L:VISC INS IN	107~10B	
SC PHASE CONTROL IN   2   GND   2   REG -12V IN   3   GND   5	28 GND 29 GND 30 REG -5V IN 31 REG -12V IN	-5v			28 L; VISC INS IN	107~10B	1
GND	29 GND 30 REG -5V IN 31 REG -12V IN	-5v					
REG -5V IN	30 REG -5V IN 31 REG -12V IN						109-10C
REG -12V IN 3 GND 3 C	31 REG -12V IN			REG -5V IN	30 REG -5V IN		-5V
GND S		— <u>L</u>		REG -12V IN	31 REG -12V IN	-12V	-12V
C GND			<u></u>	GND	32 GND		
GND BEG +12V IN		*	-	С	т. т		
REG +12V IN	1		<u>.</u>	GND	1 2		+12V
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			* L	UND .	6		
			138-1				
GND	8						
			126-3				
			137-6A				
- GND					12		
			107-25B	TBC'D Y IN 00	13		
			102-14C	CHROMA IN (G)	14		
					15		111-22A 10
COLOR FRAME PULSE IN			101-18A				111-222 102
			* 111-170				
				C RF CH-B IN OO	20		
				GND	21		
			202-17C	C RF CH-A ABC OUT 00	22		
SA L:Y DROPOUT IN (X)	23		202-15C				
			202-240				
			108-130		26		
							11
			212-46, 102-20C, 107-23	C L:H-SHIFT INH IN	28		
GND	29		202-29C	DOC RF OUT (X)	29		EV
REG -5V IN	30						5V -12V
REG -12V IN							
- GND	32		#	L-1-12	لستتسا		₽,
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16-355 (b)

16-356 (b)

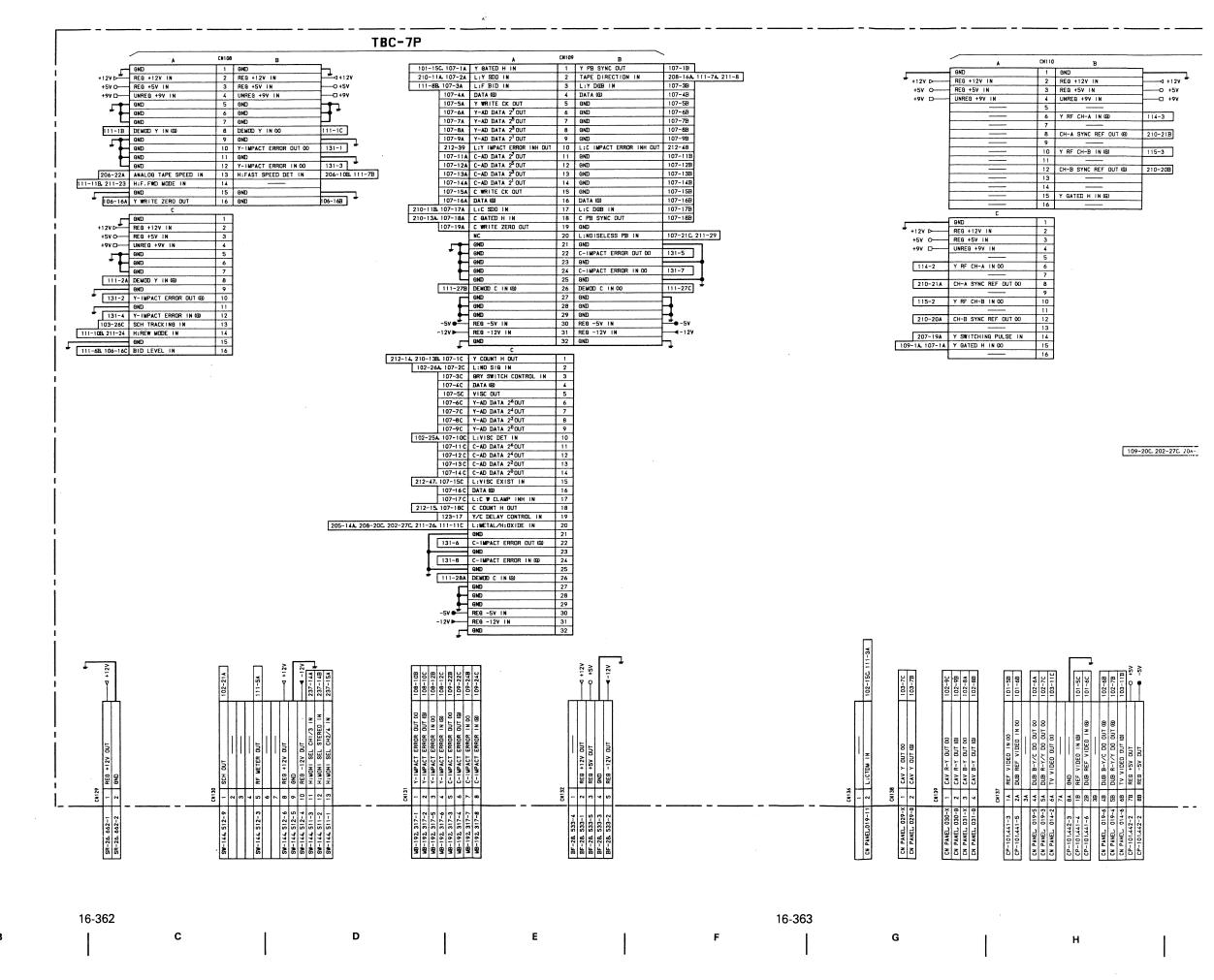
+12V +5V +9V B B SCC 4B 7A 205-21 A 208-21B B 1 1 7B BB	#12V D REG +12V IN H5V D REG +5V IN H9V D UNREG +9V IN UNREG +9V IN	1 GND 2 REG +12V IN 3 REG +5V IN 4 UNREG +9V IN 5	+12V 	+5V O REG ++ V D UNREG  102-17C 211-28 111-9A H: NOR1 101-27A R CK ( 101-28A R CK ( 101-28B ZERO ( 101-25C C REG ( 101-22A REF ( 101-22A REF ( 101-22A REF ( 101-22A REF ( 102-16A 212-13 101-21B REF ( 304-1C H; CM		1   GND   2   REG +12V IN   3   REG +5V IN   4   UNREG +9V IN   5	0 +12V 	109-1A 110-15C 210-11A 109-2A 111-8B 109-3A 109-4A 109-5A	Y GATED H OUT L:Y SDO OUT L:F BID OUT DATA (G) Y WRITE CK IN Y-AD DATA 2 <sup>7</sup> IN	1 Y PB 2 TBC S 3 L:Y I 4 DATA 5 GND 6 GND	SWITCHING PULSE IN DGB OUT A (G)	109-1B 207-16C 109-3B 109-4B 109-5B
+5V +9V B B B SC 4B A2 205-21 A 208-21B BB 1	+5V O REG +5V IN  +9V D UNREG +9V IN	2 REG +12V IN 3 REG +5V IN 4 UNREG +9V IN 5 6	○ +5V	H   12V   D   REG   H   12V   D   REG   H   12V   D   UNREG	+SV IN G +9V IN RMAL FWD (+) IN (-) IN CK (+) IN	2 REG +12V IN 3 REG +5V IN 4 UNREG +9V IN 5	O +5V	210-11A 109-2A 111-8B 109-3A 109-4A 109-5A	L:Y SDO OUT L:F BID OUT DATA (G) Y WRITE CK IN	2 TBC 5 3 L:Y I 4 DATA 5 GND	SWITCHING PULSE IN DGB OUT A (G)	207-16C 109-3B 109-4B 109-5B
# +9Y # # # # # # # # # # # # # # # # # # #	+9V D UNREG +9V IN	4 UNREG +9V IN 5		+5V O REG +1	+SV IN G +9V IN RMAL FWD (+) IN (-) IN CK (+) IN	3 REG +5V IN 4 UNREG +9V IN 5	O +5V	111-8B, 109-3A 109-4A 109-5A 109-6A	L:F BID OUT DATA (G) Y WRITE CK IN	3 L:Y I 4 DATA 5 GND	DGB OUT A (G)	109-3B 109-4B 109-5B
B	-22C. 107-24A EDGE GND	5	*9V	102-17C, 211-28, 111-9A	RMAL FWD (+) IN (-) IN CK (+) IN	5		109-4A 109-5A 109-6A	DATA (G) Y WRITE CK IN	4 DATA 5 GND	A (G)	109-4B 109-5B
B	-22C 107-24A EDGE GND	6		101-27A R CK (1 101-28A R CK (1 101-28B ZERO (1 101-25C C REAL (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	(+) IN (-) IN CK (+) IN	6 1/2 R CK (+) IN	101-27B	109-5A 109-6A	Y WRITE CK IN	5 GND		109-5B
B	-22C 107-24A EDGE GND	7		101-28A R CK II 101-26B ZERO ( 101-25C C REAL 101-22A REF OL 102-16A 212-13 101-21B REF WL 304-1C H; CH	(-) IN CK (+) IN		101-27B					
B B B B B B B B B B B B B B B B B B B	-22C 107-24A EDGE GND	8		101-26B ZERO C 101-25C C REAL 101-22A REF OZ 102-16A 212-13 101-21B REF VZ 304-1C H; CHI	CK (+) IN	7   1/2 R CK (-) IN						
B B		9		101-25C C REAL 101-22A REF OI 102-16A 212-13 101-21B REF VI 304-1C H; CHI			101-28B	109-7A	Y-AD DATA 25 IN	7 GND		109-7B
5C 4B 7A 205-21A 208-21B 1111-	-22C 107-24A EDGE GND	11		101-22A REF OI 102-16A 212-13 101-21B REF VI 304-1C H; CHI		8 ZERO CK (-) IN	101-26C	109-8A	Y-AD DATA 23 IN	8 GND		109-8B
75 C MB 1111-	-22C 107-24A EDGE GMD	12		102-16A 212-13 101-21B REF VE 304-1C H; CHI	ODD/EVEN IN	10 REF N/I IN	101-23B 101-22B	109-9A 102-26C	Y-AD DATA 21 IN	9 GND		109-9B
7A. 205-21A. 208-21B B B B B B B B B		13				11 REF FH IN	101-21A	109-11A	H:SC BLK DUT C-AD DATA 27 IN	10 L:VIS		103-28B
7A. 205-21A. 208-21B	-22C 107-24A EDGE GND	14	$\dashv$		HROMA MUTE	12 1/2 H BLK IN	101-26A	109-12A	C-AD DATA 25 IN	12 GND		109-11B 109-12B
A 205-21A 208-21B B 1111- B B B	-22C 107-24A EDGE 9MD	15	1	101-23A HD		13 L: ID BLK OUT	102-22B	109-13A	C-AD DATA 23 IN	13 GND		109-12B
B 111-		16 EDGE N OUT	-1		PHASE OUT	14 DT V IN	210-12A 212-42	109-14A	C-AD DATA 21 IN	14 GND		109-14B
B B B			111-22B.107-22B		DROPOUT IN	15 H; VIDEO EE (DEMOID) IN	205-21B, 111-9C	109-15A	C WRITE CK IN	15 GND		109-15B
B B B B B			111 222 107 228	108-16A T WRIT	ITE ZERO IN	16 GND	108-16B	109-16A	DATA (G)	16 DATA		109-16B
B B B B B		18						210-11B, 109-17A 210-13A, 109-18A	L;C SDO OUT	17 L:C D		109-17B
B B B B B B B B B B B B B B B B B B B		19						109-19A	C GATED H OUT	18 C PB		109-18B
3		20						211-36	C WRITE ZERO IN	19 L:C D 20 PB B-	DROPOUT (X) IN	102-23A 111-25C
3		21	4					212-37		21 DL PB		211-37
		22	-					105-16C 111-22A		22 EDGE-		111-22B. 105-16B
		24	-					101-17C	L:DO INH OUT	23 L:CS 1		101-16A
		25	7					105-16A 111-22C		24 GND		
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		27 SUB DEMOD Y IN (G)	114-4B						GNU	26 GND		
107-10C 109-10C		28									D B-Y OUT (X)	102-11A
	57. 6	29	4					123-21	CHROMA LEVEL CONTROL IN		D R-Y DUT (X)	102-12C
-5V 12V	-5V - REG -5V IN	30 REG -5V IN	-5v					-5V ◆		30 REG -5	-5V IN	
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		7		101-27C H CK (+)		6		109-6C	Y-AD DATA 26 IN	6		
		8		101-28C H CK (-) 101-25A L:V DL		7		109-7C	Y-AD DATA 24 IN	7		
		9			. IN	8 9		109-8C		8		
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		11		101-17A SV VD I		11	ļ	102-25A 109-10C 109-11C		10		
		12		101-258 H;J MOD	DEL IN	12		109-12C		11		
		13		102-22A L:C OFF	F OUT	13	1	109-13C		13		
		14		209-16A V SELEC		14		109-14C		14		
111-2	22A 107-22A EDGE P DUT	15		209-16C SKIP IN		15		109-15C, 212-47, 103-12C		15		
		17		111-6B. 108-16C BID LEV	VEL DUT	16	,	109-16C		16		
		18					,	109-17C		17		
		19						212-15, 109-18C		18		
		20					ļ	212-41		19		
		21					ļ	211-29, 109-20B		20		
		22					,	111-5B, 212-34, 101-9B		22		
		23 24					ļ	212-46, 102-20C, 103-28C		23		
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	112-11C SUB DEMOD Y IN OO	27					<u> </u>	100 445		26		
		28						102-11B 102-12B		27		
		29						123-23		28		
	-5V ← REG -5V IN -12V ► REG -12V IN	30					·	-5V <b>●</b>		30		
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102-280 104-19C 124-8 109-19C 124-6 107-29A 107-29C 107-29C 107-29C 211-10	123-10	123-22		111-28   111-26   111-26   111-28C	103-8A 103-8B 103-9C 103-9B	<u> </u>						
102-28C 104-28C 107-19C 124-4 103-15A 124-5 107-29C 211-10 212-43, 2				151515151		8 8						
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16-358 (b)

16-357 (b)

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MB-191B (2/4); MOTHER BOARD



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		DM-56P	
A CHIO9 B 7-1A Y GATED H IN 1 Y PB SYNC OUT 107-1B 7-2A LIY SDD IN 2 TAPE DIRECTION IN 208-16A 111-7A 211-8	A CN110 B	A CNIII B  212-16-207-6A VIDEO WITH VITC OUT I DEMOD Y OUT (6)	108-84
-3A LIF BID IN 3 LIY DGB IN 107-3B -4A DATA (G) 4 DATA (G) 107-4B	** +12V D	136-2. 102-15C L:CTDM IN 3 COMPONENT Y IN (Q)	
-5A Y WRITE CK OUT 5 GND 107-5B -6A Y-AD DATA 2 <sup>7</sup> OUT 6 GND 107-6B	+9V D UNREG +9V IN 4 UNREG +9V IN	130-5   RF METER OUT   5   L:TBC CONFI MODE   209-9A   RF ENVELOPE OUT   6   BID LEVEL IN	
-7-A Y-AD DATA 2 <sup>5</sup> OUT 7 6ND 107-7B -6A Y-AD DATA 2 <sup>5</sup> OUT 8 6ND 107-8B -9A Y-AD DATA 2 <sup>1</sup> OUT 9 6ND 107-9B		211-8 109-2B 208-11A   TAPE DIRECTION IN   7   H:FAST SPEED DET     8   L:F BID IN	
-9A Y-AD DATA 2 <sup>2</sup> OUT 9 GND 107-99 -39 LIY IMPACT ERROR INH OUT 10 LIC IMPACT ERROR INH OUT 212-48 -11A C-AD DATA 2 <sup>2</sup> OUT 11 GND 107-11B		9 NC 10 H:REW MODE IN	211-24, 108-14C
17-12A C-AD DATA 2 <sup>5</sup> OUT 12 GMD 107-12B 1-13A C-AD DATA 2 <sup>5</sup> OUT 13 GMD 107-13B			211-23, 108-14A
-14A C-AD DATA 2°0UT 14 GMD 107-14B -15A C WRITE CK OUT 15 GMD 107-15B			
-16A DATA (9) 16 DATA (9) 107-16B	15 Y GATED H IN (6)	15 C RF CH-A IN (G) 16 17 C RF CH-A OUT (Q)	116-2
18A C GATED H IN 18 C PB SYNC OUT 107-18B	GND   1		103-19B
NC   20	+5V O REG +5V IN 3 +9V UNREG +9V IN 4		103-208
GND   22   C- IMPACT ERROR OUT 00   131-5		105-16C, 107-22A	107-22B, 105-16B
GND 25 GND	210-21A CH-A SYNC REF OUT DO 8		
GND   27   GND   GND   28   GND	9 115-2 Y RF CH-B IN DO 10	211-25, 102-26B H: CHROMA MUTE IN 27 DEMOD C OUT (a)	109-26A
9ND 29 9ND	210-20A CH-B SYNC REF DUT 00 12	109-26C DEMOD C OUT (0) 28 DUB R-Y/B-Y OUT (0)	
REG -12V IN 31 REG -12V IN -12V -12V -12V	207-19A Y SWITCHING PULSE IN 14 109-1A 107-1A Y GATED H IN 00 15	-5V - REQ -5V IN 30 REQ -5V IN -12V REQ -12V IN 31 REQ -12V IN 31 REQ -12V IN 32 GND 32 GND	-5V -12V
-1C Y COUNT H OUT 1 7-2C LIND SIG IN 2	16	C 108-8B DEMOD Y OUT to 1	
7-2C ETAN SHE III 2 -3C GRY SWITCH CONTROL IN 3 -4C DATA (8) 4		125-3B DUB Y DUT DO 2 103-6A COMPONENT Y IN DO 3	
7-5C VISC OUT 5 -6C Y-AD DATA 2 <sup>6</sup> OUT 6		105-27C SUB DEMOD Y OUT 00 4 212-17. 106-15A 102-23C L:Y DROPOUT OUT 5	
-7C Y-AD DATA 2 <sup>4</sup> OUT 7 -BC Y-AD DATA 2 <sup>2</sup> OUT 8		6 7	
-9C Y-AD DATA 2 <sup>0</sup> OUT 9 -10C L:VISC DET IN 10		211-27.129-4 L:DT HEAD/H;RP HEAD IN 8 205-218.106-158 H:YUDEO EE OEWODI IN 9 205-14C L:COMPOSITE DT IN 10	
-11C C-AD DATA 2 <sup>6</sup> OUT 11 -12C C-AD DATA 2 <sup>6</sup> OUT 12	109-20C. 202-27C.	205-14C   L:COMPOSITE DT IN   10     204-26B. 205-14A. 208-20C. 211-26   L:METAL/H:OXIDE IN   11     12	
-13C C-AD DATA 2 <sup>2</sup> OUT 13 -14C C-AD DATA 2 <sup>0</sup> OUT 14 15C LIVISC EXIST IN 15		207-19B, 202-28C, 103-27C C SWITCHING PULSE IN 13	
15C LTTIS EXIST IN 15 -17C LIC W CLAMP INH IN 17		116-3 C DT RF CH-A IN 00 15	
18C C COUNT H OUT 18 -17 Y/C DELAY CONTROL IN 19		103-19C C RF CH-A DUT 00 17 18	
11C L:METAL/H:OXIDE IN 20 ————————————————————————————————————		117-2 C DT RF CH-B IN 00 19 20 103-20C C RF CH-B DUT 00 21	
-6 C-IMPACT ERROR DUT (0) 22 ———————————————————————————————————		103-20C   C RF CH-B OUT 00   21   105-16A 107-24A   EDGE 9ND   22   23	
-8 C-IMPACT ERROR IN (8) 24		107-19B 102-29A C DROP OUT OUT OO 25	
GND 27 GND 28			
6ND 29 REG -5V IN 30		125-4B DUB R-Y/B-Y QUT 00 28 29	
REG -12V IN 31 900 32		-5V ► REG -5V IN 30 -12V ► REG -12V IN 31 - 9ND 32	
	<b>4</b>		
12V +12V +15V 12V 12V 12V 12V 12V 12V 12V 12V 12V 12		112v -12v -12v -0 +5v 0 +14v	
109-246 109-246 109-246	102-15C 111 103-7E 103-7B 102-8A 102-8B 101-6B 101-6B 101-6B 101-6B 101-6B 101-6B 102-7B 103-11C 103-11C 103-11B 103-11C	₽ <mark>┃ ₹ ₹</mark>	
FRIGHT	N   N   N   N   N   N   N   N   N   N		
## 12V 0UT	CAV Y OUT GO CAV Y OUT GO CAV Y OUT GO CAV PY OUT GO CAV B=Y OUT GO DUB B=Y/C DO OUT GO DUB B=Y/C DO OUT GO DUB B=Y/C DO OUT GO TY VIDEO O	10	
6 C-IMPACT ERROR IN (0) 7 C-IMPACT ERROR IN (0) 8 C-IMPACT ERROR IN (0) 1 RE8 +12V OUT 3 RE9 +5V OUT 4 8MD 5 RE8 -12V OUT		REG	ND 4045 (0 (4)
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BF-28 533-4 1 BF-28 533-4 1 BF-28 533-1 2 BF-28 533-3 4 BF-28 533-3 5	CN PANEL 019-11  CN PANEL 029-X  CN PANEL 029-X  CN PANEL 030-8  CN PANEL 030-	SW' 8 RES 431-1 (5) UNREG +5V IN SW' 8 RES 431-2 (6) UNREG 9HD SW' 8 RES 431-3 (6) UNREG 9HD SW' 8 RES 431-3 (7) UNREG 9HD SW' 8 RES 431-3 (7) REG +12V IN SW' 8 RES 432-3 (7) REG +12V IN SW' 8 RES 432-3 (7) REG +5V IN SW' 8 RES 432-3 (7) REG +5V IN SW' 8 RES 432-3 (7) REG 9HD SW' 8 REG 542-8 (7)	/B-191B(2/
BF-28. BF-28. BF-28.	CH PANEL 039  CH		624-047-11, 12, 13
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16-363			16-364
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MB-191B (3/4); MOTHER BOARD

AFM-1A  A CH202 B  A CH202 B  A GND 1 GND	A GM	TC-40AP		
SND	GN GN		В	
	+5V O REB +5	12V IN 2 REG +	9ND +12V IN	+12V D
+9V	217-1 TIME CODE	E HEAD (XX) 5 TIME COL	3 +9V IN +9V DE HEAD (Y) 217-2 2 GND 2	+9V D 225-4A 208-5A 207-5A 207-7A S
7		8	V LPF OUT 204-14B	226-12 207-9A 226-5
11	237-8B TIME CODE	DE OUT (Q) 11 TIME CO	DDE OUT 00 237-7A	209-11A 208-11A 208-12A 207-13A
		1: OXIDE IN 14 L: COMPOS 	SITE DT IN 211-15	207-13C 208-16B 207-16A
GNID   17   C RF CH-A A9C IN (6)   103-22B     17   GNID     18     18     19     19     19       19     19     19		EED 2 IN 18 TAPE SP	PEED 3 IN 206-18B	207-17B Di 205-18A
	103-15B 208-21B H:VIDEO REC	ZEE (MOTD) OUT 21 H:VIDEO ER 22 -	TE (DEMOD) OUT 106-15B, 111-9C	211-49 108-13A 211-2
— 24 — 9ND 24 9ND — 9ND 25 — 221-5 AUDIO CH-1 HEAD (Y) 25 AUDIO CH-1 HEAD (X) 221-6				208-23C C 208-25A 208-26A
SMD   26   H:AFM MUTE IN   211-19   SMD   26   SMD				208-27A 208-28A 208-29A
-5V - REG -5V IN 30 REG -5V IN -5V -5V - REG -12V IN 30 REG -5V IN -5V -12V - REG -12V IN 31 REG -12V IN -12V - 12V - REG -12V IN 31 REG -12V IN -12V - 12V	-5V ■ REG -5 -12V ■ REG -1: GNI	5V IN 30 REG - 12V IN 31 REG -	-5V IN -5V -12V IN -12V	-5V -12V
C OND 1 OND 1 H2V D REG +12V IN 2 H12V D REG +12V IN 2	# C GND	ND 1 12¥ IN 2	*	+12V
+5V O REG +5V IN 3 +9V UNREG +9V IN 4 	+5V O REG +5 +9V UNREG + 217-3 TIME CODE	+9V IN 4 E HEAD (Q) 5		+5V 0
	90			209-8A 207-7C S 207-8C 1
215-3A CH-4 PB LEVEL IN 00 9  237-1A 215-4A CH-4 LINE 0UT 00 10	237-8A TIME CODE	10		226-6 211-6 4.
	212-20 L:TIME CODE 111-10C L:COMPOSIT	EXIST OUT 13		230-1 207-14C 207-15C
103-22C C RF CH-A ABC IN (XXX) 18	206-17C TAPE SPEE		212-	226-7 205-17C 12. 209-10A. 208-18C
				211-50 L: 207-23A
215-6A CH-3 PB LEVEL IN CO 22  237-2A 215-7A CH-3 LINE OUT CO 23  103-24C H:SOVELCH CONT IN 24  25  8ND 25				211-3 SV 208-23B 207-24C 208-24C
				208-25C 208-26C 208-27C 208-28C
103-29C   DOC RF IN 00   29   -5V   REG -5V IN   30   -12V   REG -12V IN   31   -12V   REG -12V IN   31   -12V   REG -12V IN   31   -12V   -	-5V ● REG -5	29 5V IN 30		208-29C -5V
ND   32   2   32   32   32   32   32   32	лив 03-185 00-1	(D 32		<b>ي</b> ائي
11-7h   109-21c   109-1c   1		2 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	237-1A	<u>                                      </u>
10   10   10   10   10   10   10   10	133-25, 225-4   107-23C, 102   107-15C, 102   107	-12v	202-9C 202-9C 202-1C 202-21C 202-22C 202-23C, 23	36-54 36-64 36-64 02-9B 02-9B
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1	L: NISC L: VISC UNREG UNREG UNREG UNREG	REG - UNREG UNREG UNREG REG REG REG REG REG REG REG REG REG	CH-4 PB LEVEL IN 00 CH-4 PB LEVEL IN 00 CH-4 LINE OUT 00 CH-3 PB LEVEL IN 00 CH-3 PB LEVEL IN 00 CH-3 PL LINE OUT 00	CH-2 MON TOR OUT CO CH-1 MON TOR OUT CO CH-4 PB OUT (B) CH-4 PB LEVEL IN (B) CH-4 IN FORT (A)
CE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	43 44 46 46 47 47 47 48 49 49 49 49 49 49 49 49 49 49 49 49 49	CM214  2 2 2 2 4 4 4 4 4 4 9 9 9 9 9 9 9 9 9 9	CM215 14 14 24 24 24 24 24 24 24 104	1 1 1 1 1 1 1 1
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6 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	MB-192 MB	MB-19 WB-19 WB-19 WB-19 WB-19 WB-19 WB-19	BF-28 BF-28 BF-28 BF-28 BF-28 BF-28	BF-28.541 BF-28.541 OPEN BF-28.532-1 BF-28.540-
16-368 B   C   D   E   F	G		н	

AU-1	18P		A	TC-40AP		SV-8	В		
9ND 1 RE9 +12V IN 2			+12V - REB +12V IN	1 9ND N 2 REG +12V IN	→ +12V +12V D	8ND 1 REG +12V IN 2	GND REG +12V IN	L +12V	!
REG +5V IN 3	REG +5V IN 0 +5V		+5V O REB +5V IN +9V UNREG +9V I		O +5V +5V O	REG +5V IN 3 UNREG +9V IN 4	REG +5V IN UNREG +9V IN		1
5			217-1 TIME CODE HEAD		217-2 225-4A 208-5A 207-		1/2V REF DUT 20	07-5B 208-5B	·
CH-2 LINE OUT CO 7	GND		•	7	207-	7A S-REEL SHAPED FG (A) IN 7	S-REEL 4FG IN 20	77-7B 17-8B	
CH-1 LINE OUT (9) 8 CH-1 LINE OUT (X) 9	GND			8 ————————————————————————————————————	226- 204-14B 207-	9A REF VID IN 9	PB VD IN 20	7-9B	!
1 PB OUT (Q) 10 PB LEVEL IN 11			237-88 TIME CODE OUT	(9) 11 TIME CODE OUT CO	226- 237-7A 209-11A 208-1	IA SWITCHED CTL IN 11	CAPSTAN FWD/REV IN 20		229-4
2 PB OUT 00 12			212-23 READER TIME COD	12 —— E OUT 13 ——	208-1			9-12B 7-13B	
14		109-200, 202-270, 111-110, 2	08-20C, 211-26 L:METAL/H:0XIDI	E IN 14 L:COMPOSITE DT IN	211-15 207-1			7-14B 7-15B	į
16				16	207-1		SWITCHED PB SW PULSE IN 207 L:EMERGENCY OUT 21	7-16B 208-17C 2-18	
9ND 18	GND		206-18A TAPE SPEED 2	IN 18 TAPE SPEED 3 IN	206-18B 205-1			5-18B	
GND 20	GND	C10	3-15B 208-21B H:VIDEO REC/EE (MI	20	106-15B, 111-9C 211-	20		7-22C	i
9ND 22	GND	10	3-13B 200-21B R:VIDEO REC/EE WI	22 ——	108-1	3A ANALOG TAPE SPEED OUT 22	SY/REC SERIAL STATUS DUT 21	11-4	
At CH-2 HEAD (Y) 23 GND 24				24	211-	3C CAPSTAN FWD/REV DET IN 24		3-24A 209-13A	
AR CH-1 HEAD (Y) 25 GND 26				25	208-2 208-2	6A D3 IN/OUT 26	D4 IN/OUT 208	3-25B 3-26B	i
27 28				27 ——	208-2 208-2			3-27B 3-28B	
			-5V • REG -5V IN		-5v -5v <u>208-2</u>	RE0 -5V IN 30	REG -5V IN	3-29B -5V	
G -12V IN 31 9ND 32	REG -12V IN -12V		-12V ► REG -12V IN		-12V -12V	REG -12V IN 31 GND 32	REG -12V IN	-12V	
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, PEB +12V IN 2	3		+12V D REG +12V IN	2	+12V D	REG +12V 2 REG +5V 3			
EG +5V IN 3 REG +9V IN 4			+9V - UNREG +9V 11  217-3 TIME CODE HEAD	N 4	+97 🗆	UNREG +9V 4			1
5 6			CINED CINED	6	209-6 207-3	BA L:DT ON IN 6			1
GND 7 8				7 8	207-8	BC T-REEL REV/FWD DET IN 8			
GND 9				9 10	226- 211-	6 H:SV SERIAL REQUEST IN 10			
GND 11 LAUDID MUTE IN 12			237-BA TIME CODE OUT	12	208-1				į
GND 13 L:FAST/H:AUDIO ATT IN 14			212-20 L:TIME CODE EXIS 111-10C L:COMPOSITE DT	OUT 14	230- 207-1	4C T-REEL PWM OUT 14			
9ND 15				15 16	207-1 226-	7 LOADING FG IN 16			i t
9NID 17			206-17C TAPE SPEED 1		205-1 212-12. 209-10 <b>A.</b> 208-1				i
GND 19 — 20				19					
9ND 21 A ) CH-2 HEAD (9) 22	1			21 22	207-2	3A TAPE TENSION 2 IN 21			
9ND 23 A ) CH-1 HEAD (9) 24				23	208-23B, 207-2 208-2	4C SV CLOCK OUT 23			İ
GND 25				25	208-2 208-2	5C D2 !N/OUT 25			
9ND 26 				27 28	208-2 208-2 208-2	7C AO OUT 27			
			-5V • REG -SV IN	29	208-2 208-2 -5y				i
1EG -5V IN 30 EG -12V IN 31			-12V ► REG -12V IN	31	-12V <b></b>	REG -12V IN 31			
GND 32		150	eND	32		9ND 32	l		 
1	206-107-	111-58 233-1 20C 103-							j
	2-18C 09-1C 7-18C 1-1A 15A. 1		>> * >> > > > >	2 > 2	7-24	7-1B		-	
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237-1 206-2 5-2 5-2 206-4 225-3 225-3	123-5 123-5 123-5 209-10A. 201 101-21B. 10 207-18B. 10 207-18B. 10 207-18C. 10 206-17B 206-17B 206-13C 205-13C 205-13C 205-13C 205-13C 205-13C 205-13C 205-13C 205-13C	101-64 101-69 101-69 101-70 101-70 107-10 10 107-10 10 107-10 10 10 10 10 10 10 10 10 10 10 10 10 1		202-8	202-10C, 202-10C, 202-22C 202-22C, 202-23C, 202-5A, 236-5A, 236-6A,	202-09 202-19 202-218 202-228 202-228 202-238 202-238 202-38	208-98 208-96 208-96 205-54 205-58 205-56	204-22C 204-234 204-24C 204-254 204-254 204-258	i
100-46   46   LINEWAILAU CONTROL N   237-159   150-159   170-159	I.CAPSTAN LOCK 4F OUT LICAPSTAN LOCK 2/4F OUT LICAPSTAN LOCK 2/4F OUT LICAPSTAN LOCK 2F OUT 1/2 VD OUT REF VD OUT Y COUNT H OUT Y COUNT H OUT LIT DREPOUT OUT LITERFORMY OUT INTERFOLATE CIT. OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE EXIST OUT LITTURE CODE COUT READER TIME CODE OUT	SV 1 IN SV 1 IN SV 2 IN LITRE IN LITRE ONF IN HADDWARE OFF IN HICHOR FLITER OFF IN HICHOR FLITER ONF IN TO BEN OUT DL PB V OUT LIDET NA OUT LIDET NA OUT HADD STEREO IN IT IT HADD STEREO IN IT HADD STEREO IN IT HADD STEREO IN IN IT HADD STEREO IN IT HAD STEREO IN IT HAD STEREO IN IT HAD STEREO IN IT HAD STEREO IN IT H	100 100 100 100 100 100 100 100 100 100	200000000000000000000000000000000000000	CH-4 LINE OUT OO  CH-3 PB LEVEL IN OO  CH-3 PB LEVEL IN OO  CH-3 PB LEVEL IN OO  CH-3 PB LEVEL IN OO  CH-3 PB LEVEL IN OO  CH-3 PB LEVEL IN OO  CH-3 PB LEVEL IN OO  CH-4 PB ON TOO  CH-5 WON TOR OUT OO  CH-5 WON TOR OUT OO	(4.4 PB LEVEL IN (8) CH-3 PB LEVEL IN (8) CH-3 PB DUT (8) CH-3 PB LEVEL IN (9) CH-3 LINE OUT (8) CH-3	CTL HEAD 00  CTL HEAD 00  CTL HEAD 00  CTL HEAD 00  TIME CODE HEAD 00  TIME CODE HEAD 00	AUD 10 CH-2 HEAD (8) AUD 10 CH-2 HEAD (7) AUD 10 CH-2 HEAD (7) AUD 10 CH-1 HEAD (7) AUD 10 CH-1 HEAD (7) AUD 10 CH-1 HEAD (7)	
AU CONT IREAD HEAD IREAD	000 4 000 00 00 00 00 00 00 00 00 00 00 00 00		177 12V 0 12V 0 14V 14V 17V 1	12V 0 12V 0 11VD 11VD 11VD 11VD 11VD 11VD 11VD 1	ME 00 ME 00 TOWN COLUMN	108 O TOR O	EAD OF HEAD OF	# # # # # # 	i
SYNCHRON 128 SYNCHRON 128 L: REWOTE-1 L: REWOTE-2	CAPSTAN LOCK 4F 00  LICARSTAN LOCK 2 ME  LICARSTAN LOCK 2 ME  LICARO DOUT  C COUNT H OUT  C COUN	SV 1 IN SV 1 IN SV 2 IN LIFEC IN HADVANCE OF TIDE CONFI WOR SERVO REF HOD DIE PB V OUT LIDET NO OUT HAUTO STERCE INPACT ERROR	UNREG -17V OU UNREG +11V OU UNREG +14V OU UNREG +14V OU UNREG +14V OU UNREG -17V OU UNREG -17V OU UNREG -17V OU UNREG -17V OU	REG -5V O UNREG ON UNREG ON UNREG ON UNREG +14V UNREG +12V C REG +12V C OND OND OND OND OND OND OND OND OND OND	H-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	CH-4 PB LEVEL IN 88 CH-5 THE OUT 68 CH-5 THE OUT 68 CH-5 LINE OUT 68 CH-5 LINE OUT 68 CH-5 LINE OUT 68 CH-7 WHITPR OUT 68	CTL HEAD 00 CTL HEAD 00 CTL HEAD (1) CTL HEAD (2) WE CODE HEAD WE CODE HEAD	5 5 5 5 5	
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308-1 308-2 308-2 308-5 308-5	308-7 308-1 308-1 308-1 308-1 308-1 308-1 308-2 308-2 308-2 308-2 308-2 308-2 308-2 308-2	308-7; 308-7; 308-4; 30	308-4 308-4 814-2 806-3 806-3	316-316-316-316-316-316-316-316-316-316-	5540-1 541-1 541-1	532-1 540-1 541-2	H002 H002 H002 3. H003 3. H003	3, HOO 9, HOO 9, HOO	MD-101D(0/4)
192. 3 192. 3 192. 3 192. 3 192. 3	192. 192. 192. 192. 192. 192. 192. 192.	MB-192 308-25 MB-192 308-26 MB-192 308-26 MB-192 308-27 MB-192 308-37 MB-192 308-47	MB-192, 308-49 MB-192, 308-60 MB-192, 308-60 ME-28, 814-1 RE-28, 814-2 RE-26, 804-3 RE-36, 806-3 RE-36, 806-3 RE-36, 806-3 MB-192, 314-1	MB-192 316-3 MB-192 316-3 MB-192 316-6 MB-192 316-6 MB-192 316-6 MB-192 316-9 MB-192 316-9 MB-192 316-9 MB-192 316-9 MB-192 316-10	BF-28, 540-8 BF-28, 540-8 BF-28, 540-6 BF-28, 541-1 BF-28, 541-1	BF-28, 532-10 BF-28, 540-7 BF-28, 541-2 BF-28, 541-2 BF-28, 541-2	H002 H002 H002 DUS-113. H003 DUS-113. H003	DUS-113, H003 DUS-113, H003 DUS-113, H003 DUS-113, H003 DUS-113, H003	MB-191B(3/4)
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## MB-191B (4/4); MOTHER BOARD

S	V-83B		SV-84P		DT-13		
#12V D REG +12V IN  #5V D UNREG +9V IN  225-4A. 208-5A. 206-5A V REF IN  212-16. 111-1A VIDEO WITH VITC IN  206-7A S-REEL SHAPED FG (A) OU  T-REEL SHAPED FG (A) OU  T-REEL SHAPED FG (A) OU		HI2V   D   REG +12V   N	1 9ND 2 REG +12V IN 3 REG +5V IN 4 UNREG +9V IN		0MD   1	B (ND)	+12\ +5V +9V
206-9A   REF VD OUT	13   D/A 4 IN   206-13B	216-1	9 CTL HEAD (Y) 216-2 10 INTERPOLATE CTL OUT 212-19 T 11 CAPSTAN FWD/REV OUT 206-112 12 D/A 1 IN 206-122 OUT 13 CAPSTAN CURRENT IN 207-110 IN 14 DRUM PHASE PB IN 228-3 OUT 15 DRUM ERROR OUT 228-1 UT 16 STOP SERVO FB 80 OUT 206-15/	111-6A 212-12. 208-18C. 206-18C 208-11A. 206-11A 208-11A. 206-11A 208-24A. 206-24B	RF ENVELOPE IN 9	D LOCK OUT 210-9B	109-18
230-5 S-REEL FG-1 IN 230-7 T-REEL FG-2 IN  206-21C TAPE TENSION 2 OUT 230-9 T-REEL CURRENT IN	19   C SWITCHING PULSE OUT   103-27C, 111-13C, 202-286	229-5 VCC (CAPSTAN FB 229-8 GND (CAPSTAN FB 209-13A, 206-24B CAPSTAN SHAPED FB 0	19	205-21A	18 19 20 21 22 23 24		
	25	206-25A D 0 1 N/DUT 206-26A D 3 1 N/DUT 206-27A D 6 1N/DUT 206-28A A 1 I N 206-29A L:RD IN -5V REG -12V IN REG -12V IN C C	25 D 1 IN/OUT 206-25E 26 D 4 IN/OUT 206-26E 27 D 7 IN/OUT 206-27E 28 A 2 IN 206-27E 29 LIWR IN 206-27B 30 REG -5V IN 31 REG -12V IN 32 9ND	210-29A		(A) OUT 210-25B (A) IN 210-26B (B) OUT 210-27B (B) IN 210-28B	-5 <b>y</b> -12\
#12V D REG #12V IN #5V O REG #5V IN #9V D UNREG #9V IN  206-7C S-REEL REV/FWD DET OUT 206-8C T-REEL REV/FWD DET OUT		# 12V D REG +12V IN +5V O REG +5V IN +5V D UNREG +9V IN  209-6A SYSTEM 3 DUT 209-7A SYSTEM 6 DUT	1 2 3 4 5 5 6 7 7 8	+12V D	C		+12V +SV +9V
229-3. 210-29B. 208-13B CAPSTAN CURRENT IN  206-14A PG SW PULSE EDGE DUT 206-14C T-REEL PWW IN 206-15C L:S CCW IN 107-28 TBC SWITCHIN PULSE DUT 208-18B H:DT HEAD SELECT IN	9   10   11   12   13   14   15   16   17   17   17   17   17   17   17	216-3 CTL HEAD (B)	12 N 13 OUT 14 15	208-24B 210-8B	9 10 CAPSTAN SHAPED FG (B) IN 11 12 SWITCH PULSE IN 13 14 15 SKIP DUT 16		
210-15A   DT SWITCHIND PULSE IN   230-12   VCC GREEL FB   230-8   T-REEL FB-1 IN   211-7. 208-21E   SV REST COMMAND IN   206-21B   TAPE TENSION I OUT   230-10. 207-24B   GND GREEL CURRENT)   208-23B. 206-23C   SV CLOCK IN   GND GREEL WOTOR DRIVE)   GND GREEL WOTOR DRIVE)   GND GREEL WOTOR DRIVE)	19 20 21 22 22 23 24	207-168, 206-168   SWITCHED PB SW PULS	18 19 19 17 20 18 21 22 0UT 23		— 17 — 18 — 19 — 20 — 21 — 22 — 23 — 23		i
227-3 S-TENSION SENSOR (-) IN  -5V REG -5V IN  -12V REG -12V IN  GMD		206-26C D 5 IN/OUT 206-27C A 0 IN 206-28C L:CS IN 206-29C SERVO RESET IN -12V REG -12V IN GND	26 27 28 29 30 31 32	210-28C -5V -12V -12V -12V			229-4, 208-11B, 207-11E -5V -12V
	210-11 212-5 212-5 205-54, 207-54, 208-54 205-118 205-71 237-54 205-74 237-54 205-74 237-64 211-12 211-12 211-12 211-12 211-12	204-10A 204-12A 204-6A 237-38 204-9A 237-48 206-9C 206-9C 206-9C 206-9C 414V ← 11V ← 17V ← 17V ← 17V ← 17V ← 17V	7-264 7-266 7-274 7-274 7-274 7-274 9-158 9-148 9-148	208-134 208-116, 207-116, 208-131 208-213 208-228 208-228 208-228 208-228 208-228 207-254 207-264 207-248 207-248 207-248 207-248	210-244 210-248 210-248 210-246 210-256 210-256 210-276 210-276 210-277 210-277 210-277 210-277 210-277 210-277 210-277	4 + 12 V 0 +5 V 	3-3 -2-2 -2-1-4 -2-4 -2-4 -2-4 -2-4 -2-4 -2
	LILITE LAMP OUT 211- LILITE LAMP OUT 211- LILITE LAMP OUT 211- V REP OUT 202- CH-1 PE DUT NO 202- CH-1 PE DUT NO 202- CH-1 PE DUT NO 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- CH-2 PE LEVEL IN 202- LINITE CAMP OUT 211- LINEOUT 211-			H.C.APSTAN EDRER ON QUIT   20   CAPSTAN EDRENG OUT   20   CAPSTAN CURRENT OUT   20   CAPSTAN FOW   20   CA	DT ERROR 40 0UT 210 DT ERROR 60 0UT 210 SS A (+) 1N 211 SS A (+) 1N 211 SS A (+) 1N 211 SS B (+) 1N 21 SS	940 940 9 450 00.T STERED 00.T 123- 178 1 00.T (8) 234- 178 2 00.T (8) 234- 178 2 00.T (9) 234- 178 2 00.T (9) 234- 178 2 00.T (9) 234-	MONITOR VR 2 IN KKO 233-5 WONITOR VR 2 IN KG 233-4 WONITOR VR 1 IN KG 233-2 WONITOR VR 1 IN KG 233-2 UNREG +14V OUT UNREG 94D D-64D
			CN229	1 1 11.CAPST CAPPST CAP	C C C C C C C C C C C C C C C C C C C	C0223	CN234  1 2 2 3 4 4 1 1 1 1 2 2 2 4 4 4 4
	SW-144, 511-12, 14, 5W-144, 511-12, 14, 5W-144, 511-11, 24, 5W-144, 511-12, 14, 5W-144, 511-12,  8F - 26, 531 - 5 BF - 26, 531 - 5 BF - 26, 531 - 5 BF - 26, 531 - 1 BF - 27, 703 - 1 SE - 57, 703 - 1	RF-18.1-1 TR-18.1-2 TR-18.1-2 TR-18.1-4 TR-28.811-1 RF-28.811-2 RE-28.811-5 RE-28.811-6 RE-28.811-6 RE-28.811-6 RE-28.811-6 RE-28.811-6 RE-28.811-6	RE-28 813-1 1	DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611- DT-IS 611-	DP-73.522-1 DP-73.522-2 DP-73.522-2 DP-73.522-3 DP-73.	HP-33.552-1 HP-33.552-2 HP-33.552-2 HP-33.552-4 HP-53.552-4 RH-57.451-3 RH-57.451-1 RH-57.451-1	
. 16	3-374 C	D J	E	16-375 F	G		ı

SV-84P	DT-13		ָד <b>ס</b>	-14P	
1   GND	120   REG +12V IN   2   REG +12V   N   2   REG +12V   N   2   REG +12V   N   3   REG +5V   N   3   REG +5V   N   4   UNREG +9V   N   5   UNREG +9V   N   6   SYSTEM 5   N   7   SYSTEM 6   N   7   SYSTEM 7   206-6C   LIDT ON OUT   8   N   N   N   N   N   N   N   N   N	N	207-18C DT SWITCHING PULSE OUT	1	
A (A) OUT   24   CAPSTAN SHAPED F0 (B) OUT   209-11C		N 210-26B DUT 210-27B N 210-28B	231-1 DT ERROR (A) OUT 209-25A L:ERASE IN 231-4 SG A (-) IN 231-9 SG B (G) IN 231-7 SG B (-) IN 231-7 SG B (-) IN 209-29A TRACK (A) IN REG -5V IN -12V REG -5V IN REG -12V IN 9ND C 9ND H12V REG +12V IN REG +5V IN	24 DT ERROR 69 OUT 231-2 25 BIAS (M IN 209-25B 26 SG (M) OUT 209-26B 27 BIAS 63 IN 209-27B 28 SG 69 OUT 209-28B 29 CAPSTAN CURRENT IN 207-11C, 208-13B, 229-3 30 REG -5V IN -5V 31 REG -12V IN -12V 32 GND	
3 OUT 6 6 OUT 7 8 8 9 9 10 10 10 11 2 IN 12 D P0 89 IN 13 FIFE P0 OUT 14 RI IN 15 16 10 ULSE IN 17 70 IN 18 EXT OUT 19 GYINE OUT 20 IND IN 21 D IN 22 D ET OUT 23 4F8 OUT 24 MYOUT 25	208-6B		207-188 L:DT OFF OUT	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	
M/OUT 26 27 28 E IN 29 10 29 10 20 1		1 225-64	231-8 SG B (+) IN 209-28C TRACK GB IN 4. 208-11B. 207-11B 206-11B CAPSTAN FWD/REV IN -5V REG -5V IN REG -12V IN GND	26 27 28 29 30 31 32	
CR227  1 S-TEKS ION SENSOR (**) IN A 4 MID IS-TEKS ION SENSOR (**) IN A 4 MID IS-TEKS ION SENSOR (**) IN A 5 MID IS-TEKS ION SENSOR (**) IN A 6 MID IS-TEKS ION SENSOR (**) IN A 7 MID IS-TEKS ION IN A 7 MID IN A 7 MID IS-TEKS ION IN A 7 MID IN A 7 MID IN A 7 MID IN A 7 MID IS-TEKS ION IN A 7 MID IN A	- C C C C C C C C C C C C C C C C C C C	DP-73, 522-2   2   840   P-73, 522-2   P-73,	CH235  RW-57, 451-2  1 UNREG +14V OUT  RW-57, 451-3  2 UNREG +9V OUT  RW-57, 451-13  4 D-8ND  D-8ND  UNREG  CP-111, 407-2  2A CH-1 MONITOR IN RO  CP-111, 407-2  CP-111, 407-2  CP-111, 407-2  CP-111, 407-2  CP-111, 407-3  CP-111, 40	CP-111, 409-2   11   CP-4 LINE OUT 00   202-10C 215-1A	CH PAMEL 007-1 (87)  CH PAMEL 019-12 108  CH PAMEL
E	16-375 F G	н	1	16-376 J	κ

MB - 192

MB-192; MOTHER BOARD

SY-64AP SY-61A REG +12V IN
REG +5V IN
UNREG +9V IN
UNREG +14V IN REC SERIAL REQUEST OUT | 1 | H;SY/REC READY IN 2 REG +12V IN
3 REG +5V IN
4 UNREG +9V IN
5 UNREG +14V IN REG +12V IN REG +5V IN UNREG +9V IN SV/REC SERIAL STATUS IN 2 SV/REC SERIAL CLOCK IN 307-5
H:SV SERIAL REQUEST OUT 3 +12V D-------- +12V L:METAL/H:OXIDE OU 2 L:DT HEAD/H:RP HEAD OUT 307-27 L:NOISELESS PB OUT 3 REG +5V IN 4 UNREG +9V IN 5 UNREG +14V IN 6 UNREG GND +5V O--307-33 307-34 307-37 SV RESET COMMAND OUT 4 TAPE DIRECTION IN 307-8. 303-25B 307-7 +14V O-UNREG +14V IN → +14V L:AUDIO NR IN UNREG \$-39 6 PB B-Y FP2 IN 307-10 UNREG #-UNREG GND L:DET NG IN 307-13 H:EXT SYNC DET IN L:EJECT COMMAND LISTOP COMMAND IN FAST/H: AUDIO ATT OUT 8 L:AUDIO MUTE OUT 307-17 L:PLAY COMMAND IN L:PAUSE COMMAND IN 10 L:PAUSE STATUS-1 IN/OUT 306-8 H:CASSETTE DOWN 2 IN 315-4
L:COMPARTMENT EXIST IN 315-7
H:S-POSITION IN 311-6 H:CASSETTE DOWN 1 IN 303-19A 308-307-21 313-1 315-6 CHARACTER GATE OUT 307-22 L:LARGE/H:SMALL IN H:L-POSITION IN 309-3 3 H:5-POSITION IN SEARCH COMMAND B IN SEARCH COMMAND A IN THREAD END IN
PINCH SOL STARTER OUT L:STILL TENSION IN
L:STANDBY STATUS OUT
L:REW STATUS OUT H:NORMAL FWD IN L:STOP STATUS OUT L:PLAY STATUS OUT 317-3 317-5 317-7 C-IMPACT ERROR IN 00 16 C-IMPACT ERROR IN 89 317-4
Y-IMPACT ERROR OUT 00 17 Y-IMPACT ERROR OUT 89 317-6
C-IMPACT ERROR OUT 00 18 C-IMPACT ERROR OUT 89 317-8
REF VD IN 19 Y COUNT H IN 308-14 POSITION MOTOR (-) OUT 16 POSITION MOTOR (-) OUT 312-1 306-24 POSITION MOTOR (+) OUT
UP/DOWN MOTOR (-) OUT
UP/DOWN MOTOR (+) OUT POSITION MOTOR (+) OUT 312-3
UP/DOWN MOTOR (-) OUT 315-10 L:TACH OUT L:PAUSE STATUS-2 OUT L:STANDBY ON STATUS OUT 308-13.302-11A REF VD IN
308-42 DT-V
314-2 H. M. CONTROL T2 OUT L:NORMAL PLAY STATUS OUT RECEIVE (-) IN/OUT 19 UP/DOWN MOTOR (+) OUT L:AFM/H:LAU IN
H.M. CONTROL T3 OUT
VIDEO WITH VITC IN (G) 307-48 L:AFM/H:LAU CONTROL OUT 20 L:LARGE HUB IN RECEIVE (+) IN/OUT DATA BUS 7 IN/DUT L:EXP RESET IN
H:AUTO STEREO OUT TRANSMIT (+) IN/OUT TRANSMIT (-) IN/OU DATA BUS 6 IN/OUT
DATA BUS 5 IN/OUT
DATA BUS 4 IN/OUT LTC INT IN
L:REMOTE-2 IN 304-22B 308-4B VIDEO WITH VITC IN OO 304-22A H: AUTO STEREO IN 304-23A 304-24A 308-18 308-21 307-9, 302-40 308-19 L:EMERGENCY IN INTERPOLATE CTL IN 302-23A DATA BUS 5 IN /OUT L:REMOTE-1 IN ADDRESS BUS 4 IN DATA BUS 4 IN/OUT
DATA BUS 3 IN/OUT
DATA BUS 2 IN/OUT SV SYNC IN
TAPE DIRECTION IN 304-24B ADDRESS BUS 3 IN DATA BUS 3 IN/OUT ADDRESS BUS 3 OU ADDRESS BUS 2 OUT
ADDRESS BUS 1 OUT
ADDRESS BUS 0 OUT DATA BUS 2 IN/OUT DATA BUS 1 IN/OUT 304-26B 301-22B LTC INT OUT VITC INT OUT 301-22C DATA BUS 1 IN OUT
DATA BUS 0 IN OUT
UNREG -17V IN
REG -5V IN 27 ADDRESS BUS 1 IN
28 ADDRESS BUS 0 IN
29 UNREG -17V IN
30 REB -5V IN 304-27B 304-28B L:HUMID IN 303-28A 301-27B 308-30 L:HUMID OUT 28 L;TAPE BEGIN OUT 29 SV 2 OUT :TAPE END IN 304-28A DATA BUS O IN/OUT 29 INT KEY SERIAL STATUS IN 304-5A UNREG -17V IN REG -5V IN REG -12V IN 29 UNREG -17V IN 30 REG -5V IN 31 REG -12V IN KEY SERIAL COMMAND OUT 30 L:TBC CONF! MODE OUT 308-33 H: ADVANCE OFF OUT 31 REB -12V IN 32 BND 31 L:CAPSTIN LOCK 2/4F IN 308-9 L:CAPSTAN LOCK 4F IN 308-8 308-46 GND 8ND RE8 +12V IN RE8 +5V IN SY/REC SERIAL COMMAND OUT H:CHROMA MUTE OUT REB +12V IN REB +5V IN UNREB +9V IN 301-29A 310-7 KEY SERIAL COMMAND IN UNREG +9V IN
UNREG +14V IN
UNREG GND 307-9, 303-EDIT CTL IN +14V < UNREG +14V IN L:VITC LAMP DUT UNREG \$ UNREG GND COMPOSITE DT OUT L:AUDIO NR ON OUT FAN MOTOR CHECK IN L:EXT. KEY BOARD TEST OUT 8 307-42 L:8H ADVANCE OFF IN L:F.FWD COMMAND IN LISEARCH COMMAND IN H:CASSETTE IN 1 IN H:CASSETTE IN 2 IN 306-18 L:REV COMMAND IN L:F.FWD STATUS OUT CLEANING SOL HOLDER OF 306-23 T-BRAKE SOL STARTER OU T-BRAKE SOL HOLDER OUT S-BRAKE SOL STARTER OU DL PB V IN L:CAPSTAN LOCK OUT 308-12, 301-32C 1/2 VD IN 308-15 C COUNT H 314-1 H. M. CONTRO 314-4 H. M. CONTRO CTL OUT L:CASSETTE IN STATUS OUT C COUNT H IN
H.M. CONTROL T1 OUT
H.M. CONTROL CT OUT S-BRAKE SOL HOLDER OUT
L:THICKNESS TAPE IN
L:CS VITC READER IN L:CS VITC READER OUT PRIORITY OUT 304-21C 304-22C L:CS LTC READER OUT L:Y DROPOUT IN L:CS LTC READER IN 303-26B L:TIME CODE EXIST IN
READER TIME CODE IN LICS MECH I/D DUT 304-25C 304-26C 304-27C L:CS TC I/O DU TIME CODE GEN INT OUT L:CS TC I/O IN L:CS VIDEO I/O IN L:RD IN L:TAPE BEGIN II 303-28B L:TAPE END OUT 302-28C 17V ◆ 304-28C L:WR OU EXT KEY SERIAL STATUS I 308-32 UNREG -17V IN UNREG -17V IN L:REC OUT REO -5V IN REG -5V IN H: SERVO REF HOLD OUT :CAPSTAN LOCK 2F IN 2 1/2 VD IN 134 138 138 144 154 158 156 18 8 8 303-24.6 303-114.3 303-196 303-197 303-224 303-226 303-234 303-248 303-248 303-248 303-248 303-248 303-248 303-248 303-248 303-248 303-248 302-17 302-18 304-301-901-| HIRC SERIAL REQUESTOUT | 1979 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 197 7, 450-1 1 LIEUECT COUNAND IN 7, 450-2 2 LISTOPE COUNAND IN 1, 450-2 3 LISTOPE COUNAND IN 1, 450-2 5 LISTOPE COUNAND IN 1, 450-2 5 LISTOPE COUNAND IN 1, 450-2 5 LISTOPE COUNAND IN 1, 450-2 6 LIEUAY COUNAND IN 1, 450-2 6 LIEUAY COUNAND IN 1, 450-2 1 LIEUAY COUNAND IN 1, 450-2 1 LIEUAY COUNAND IN 1, 450-2 1 LIEUAY COUNAND IN 1, 450-2 1 LIEUAY COUNAND IN 1, 450-2 1 LIEUAY COUNAND IN 1, 450-2 1 LIEUAY COUNAND IN 1, 450-2 2 LIEUAY STATUS OUT 1, 450-2 2 LITACH OUT
LICAMES TAILOSC OUT
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THOUSE IN
RECEIVE (+) IN/OUT
RECEIVE (+) IN/OUT
REARBILT (+) IN/OUT
RARBELT (+) IN/OUT SV 1 OUT
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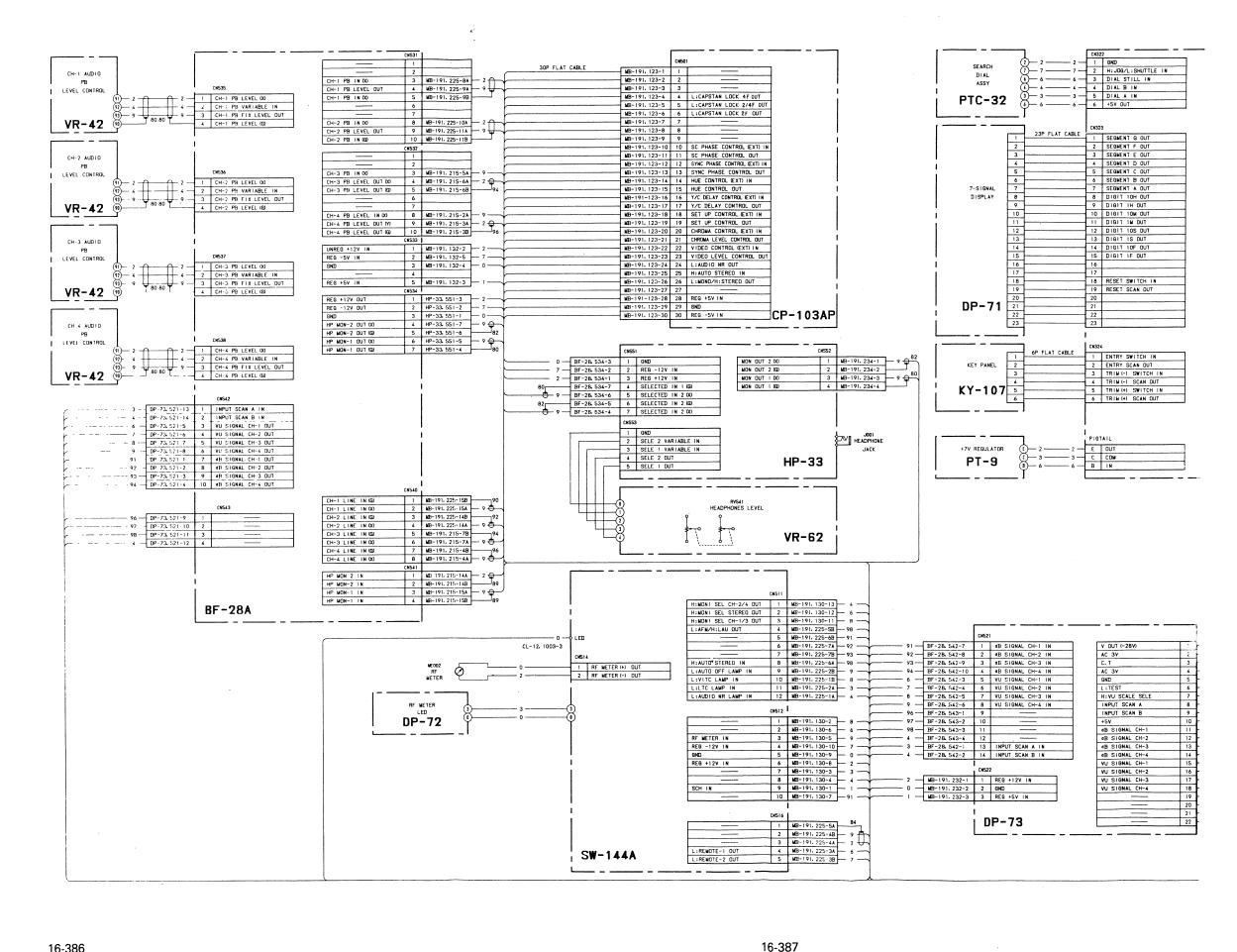
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		,	S'	Y-64AP							
	907-2 107-E	A CN303		307-23 H:F.FWD MC		B H:REW MODE OUT	307-24		301-19A 301-19B	L:STAND-BY ON STATUS O	IUT 2
2 SV/REC SERIAL CLOCK IN 3	007-5 +12V ▷ +5V ○ 007-8.303-25B +9V □	REB +5V IN 3 F	EB +12V IN  +12V EB +5V IN  -0 +5V NREG +9V IN  -19V	307-26 L:METAL/H: 307-29 L:NOISELES	S PB OUT 3	L:DT HEAD/H:RP HEAD OUT  H:IN PHASE OUT	307-27		301-19C +5V O	L:CASSETTE IN STATUS O	UT 3 CN309
5	+14V	UNREG +14V IN 5 U UNREG BND 6 U	NREG +14V IN	307-36 PB B-Y FP1	IAL STATUS OUT 5	REF FIRST FIELD IN	307-34 307-37		303-13A	GND TAPE END SENSOR IN (X)	2 PT0
8 L:AUDIO MUTE OUT 3	107-14 308-39 107-17	8	:C IMPACK ERROR INH IN 308-48		- 8		307-41		303-13B 307-49, 304-1		5 PTC
10	107-20 313-1	9 0 9ND 10 8 TAPE BEGIN SENSOR IN 00 11 T				H:CASSETTE DOWN 2 IN	315-4		307-50, 304-1 304-15A	PINCH SOL STARTER OUT	7 PD-
	07-22	9ND 12 9	ND APE END SENSOR IN (Q) 309-4	315-6 L:LARGE/H: 311-5 H:L-POSITI	SMALL IN 12		315-7 311-6		304-15B 304-15C	PINCH SOL HOLDER OUT  CLEANING SOL HOLDER OF  UNREG +14V OUT	
14	317-1	GND 14 9	ND STATE OF THE ST	309-5 THREAD END	IN 14	THREAD/UNTHREAD END IN	309-6 307-50 309-8		UNREG	UNREG GND	CN310
16	317-3 317-5	Y-IMPACT ERROR OUT (X) 17 Y	-IMPACT ERROR IN (Q) 317-4 -IMPACT ERROR OUT (Q) 317-6	312-3 POSITION M	TOR (+) OUT 17	POSITION MOTOR (+) OUT	312-1 312-3		* +	UNREG GND UNREG GND	2 EXT
18		02-11A REF VD IN 19 Y	-IMPACT ERROR OUT(0) 317-8  COUNT H IN 308-14	315-10 UP/DOWN MO 315-11 UP/DOWN MO	OR (+) OUT 19	UP/DOWN MOTOR (+) OUT	315-10 315-11		+90 🗆	UNREG +9V OUT UNREG +9V OUT	4 EXT
	308-42 04-21B 314-2 04-22B 308-4B 308-16	H. M. CONTROL T2 OUT 21 H	:AFM/H:LAU IN 308-24 M. CONTROL T3 OUT 314-3 IDEO WITH VITC IN (G)	307-48 L:AFM/H:LA 302-21A DATA BUS 7 302-22A DATA BUS 6	IN /OUT 21	L:EXP RESET IN	311-8 302-21B 302-22B			UNREG +9V OUT 4C KEY SERIAL COMMAND OUT	
23	308-18 04-24B 308-21	L:EMERGENCY IN 23 I		302-23A DATA BUS 5 302-24A DATA BUS 4	IN/OUT 23		302-23B 302-24B		301-29C 303-8C	EXT. KEY SERIAL STATUS I L:EXT KEY BOARD TEST OU	
26 ADDRESS BUS 2 OUT 3	04-25B 307-9. 30 04-26B 301-22B	LTC INT OUT 26 V	APE DIRECTION IN 307-8.302-4B ITC INT DUT 301-22C	302-25A DATA BUS 3 302-26A DATA BUS 2	IN /OUT 25	ADDRESS BUS 3 IN ADDRESS BUS 2 IN	302-25B 302-26B				CN311   RE-
28 ADDRESS BUS 0 OUT 3	04-27B 04-28B 301-27B		TAPE BEGIN OUT 301-27C	302-27A DATA BUS 1 302-28A DATA BUS 0	IN/DUT 28	ADDRESS BUS 1 IN ADDRESS BUS 0 IN	302-27B 302-28B				2 RE-
29 UNREG -17V IN 30 REG -5V IN	-17V 308-30 -5V 308-33		7 2 OUT 308-31 TBC CONF1 MCDE OUT 308-34 COMB FILTER OFF OUT 308-37	-17V	30	UNREG -17V IN REG -5V IN	-17V -5V		303-9C 304-13A	CONDENSATION SENSOR IN H:L-POSITION IN	5 RE-
32 GND	308-46	L:H SHIFT INH OUT 32	COMB FILTER OFF DUT 300-37	ENE)	31 32	RES -12V IN	-12V		304-13B 304-13C 304-20B	H:S-POSITION IN L:METAL/H:OXIDE IN L:LARGE HUB IN	6 RE- 7 RE- 8 RE-
1 2	+12V	GND   1     RE9 +12V   N   2		307-25 H:CHROMA MO 307-28 H:NORMAL FO	TE OUT 1				304-20C	L:THICKNESS TAPE IN	9 RE-
3	+5V O	REG +5V IN 3 UNREG +9V IN 4		301-29A, 310-7 KEY SERIAL					+5V O	REB +5V OUT	11 RE-:
5 6 7	+14V	UNREG #14V IN 5 UNREG GND 6		308-47 L:VISC EX15					304-16AB	POSITION MOTOR (-) OUT	
8 9	310-9 311-4	L:EXT. KEY BOARD TEST OUT 8 CONDENSATION SENSOR IN 9		307-42 L:8H ADVANO	E OFF IN 8				304-16C 304-17AB 304-17C	T-BRAKE SOL STARTER OU POSITION MOTOR (+) OUT	3 RE-:
10	[3.1.3]	GND 10 GND 11		315-5 H:CASSETTE	10				304-17C 304-18C 304-19C	T-BRAKE SOL HOLDER OUT S-BRAKE SOL STARTER OU S-BRAKE SOL HOLDER OUT	T 5 RE-
12		GMD 12 GMD 13		315-8 H:CASSETTE 311-7 L:METAL/H:0	IN 2 IN 12				303-11A		CM313
14		GND 14		309-9 CLEANING SC	LAMP ON OUT 14 L HOLDER OUT 15				303-11B		) 2 TAPE CN314
16 17 18	308-40 308-12, 30	DL PB V IN 17 D1-32C 1/2 VD IN 18		312-4 T-BRAKE SOL	STARTER OUT 16 HOLDER OUT 17 STARTER OUT 18				303-20C 303-21A 303-21B	H. M. CONTROL T1 OUT H. M. CONTROL T2 OUT	1 HC-1 2 HC-1
19 20	308-15 314-1	C COUNT H IN 19 H. M. CONTROL TI OUT 20			HOLDER OUT 19				303-21E 303-21C	H.M. CONTROL T3 DUT H.M. CONTROL CT DUT REB +5V DUT	3 HC-1 4 HC-1 5 HC-1
21 22	314-4 308-17	H. M. CONTROL CT OUT 21 L:Y DROPOUT IN 22		302-21C L:CS VITC F 302-22C L:CS LTC RE	ADER IN 21				+	GND	6 HC-1
23	308-20 308-23	L:TIME CODE EXIST IN 23 READER TIME CODE IN 24		302-24C L;CS MECH I					+127 -	GNED REG +12V OUT	1 CL-1
25 26 27	301-224	TIME CODE GEN INT OUT 25		302-25C L:CS TC 1/0 302-26C L:CS VIDEO 302-27C L:RD IN					304-11A 304-11B	H:CASSETTE DOWN 1 IN H:CASSETTE DOWN 2 IN	3 CL-
28 29	301-28A 308-32	L:TAPE END OUT 28 L:REC OUT 29		302-28C L:WR IN -17V ◆ UNREG -17V	28				304-11C 304-12A 304-12B	H:CASSETTE IN 1 IN L:LARGE/H:SMALL IN L:COMPARTMENT EXIST IN	5 CL~ 6 CL~
30 31	308-38	30 H: SERVO REF HOLD OUT 31		-5V ● REB -5V IN -12V ► REB -12V IN	30 31				304-12C 304-14C	H:CASSETTE IN 2 IN	8 CL-
32		32		₹ GND	32				304-18A 18B 304-19A 19B	UP/DOWN MOTOR (-) OUT UP/DOWN MOTOR (+) OUT	10 CL-1
		া া া জাৰ							UNREG *		12 CL-
		1, 309-	303-19			302-22			-12V ►	REG -12V IN UNREG GND	1 MB-1 2 MB-1 3 MB-1
302-6B 302-6C 302-7A 302-7B 302-7C 302-8B 302-8C 302-8C 302-11B 302-12A 302-12A	304-1B 304-27 304-28 304-28 304-30 304-48 304-56 304-64	304-6B 304-8E 304-20A 304-14A 304-14B	306-33 301-194 301-198 301-238 301-316 301-316 301-316 303-195	303-22A 303-22C 303-23A 303-23B 303-24C 303-24C 303-24C 303-24C	303-29A 303-29B 303-29C 303-30A 303-30B	303-31B 303-31C 303-7A 303-17C 304-7A 303-20A	303-32A 304-6C 303-7B	303-15A 303-15B 303-16A 303-16B 303-17A 303-17B 303-18B 303-18B	UNREG *	UNREG GND UNREG +14V IN	4 MB-1
	N S S S S S S S S S S S S S S S S S S S	TUD			0 0 0 0		S S S		+9V 🗆	UNREG +9V IN REG +5V IN	6 MB-1
00.T 00.T 1.T 1.T 1.T 1.T 1.T 1.T 1.T 1.T 1.T 1	HEAD OUT	D TROL		N N N N N N N N N N N N N N N N N N N	T. T. T. T. T. T. T. T. T. T. T. T. T. T	TF OUT	TO RE	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	+12V D	REG +12V IN	8 MB-
NAMP OUT P OUT TE DT AUDIO UTE OUT E OUT E OUT SIGNA	MUTE COUT  FIGURE  SS PB  SS PB  SS PB  T T  T T  T IN IN IN IN IN IN IN IN IN IN IN IN IN	SYNC DET ADVANCE OF ADVANCE OF ADVANCE OF ADVANCE OF ADVANCE OF CONTRIBUTION EAD OUT OF	2 IN STATE	N N N N N N N N N N N N N N N N N N N	0FF 0	EF HOLL	IST IN D	RROR RROR RROR RROR	4	GND	10 MB-1
TC LANTIC	T HEAD BRUAL DISELE DISELE ID OU ID OUT FPERST CO OUT FPER	PB B-Y FP2 IN  HIEXT SYNC DET IN  LIBH ADVANCE OF  TITHEAD CONTR  LITHEAD END DUT  LITHEAD END DUT  LITHEAD CONTR  LITHEAD CONTR	SYNCHRONIZE OUT LISTAMBNO OFF SIT LICHOSETTE IN STYL LICHOSETTE LICHOS	DROPOLA REPOLA NE COI NY IN SYNC II	OUT C OUT C COUT	SERVO RE FILL PB V II SET NG.	SK EX SC EX 1MPAC 6 -17	PACT E			
LIN LIN LIN LIN LIN LIN LIN LIN LIN LIN	2.4 HICHOW MODE OUT 2.5 HICHOWAL WUTE OUT 2.5 LINETAL/AHORIDE OUT 2.6 LINETAL/AHORIDE OUT 2.6 HICHOWALE NED 2.6 HICHOWALE NED 2.7 LIND STREETS PRO OUT 2.9 LIND STREETS PRO OUT 2.1 HILL PHASE OUT 2.1 HILL PHASE OUT 2.2 HILL PHASE OUT 2.3 HILL PHASE OUT 2.3 HILL PHASE OUT 2.4 REFERENT FELD IN 2.5 PRO PAY FPI IN 2.6 PRO OUT STREETS 2.6 PRO OUT STREETS 2.6 PRO OUT STREETS 2.7 PRO OUT STR	PB B-	STICHON IZE OUT ISTINGTON OF STATUS ILMS PLAY STATUS ILMS	VIDEO WITH VITC IN LEIV DROPOUT IN LEIV DROPOUT IN LEIVERGEKOT IN LEIVERGEKOT IN LEIVERGEKOT IN LEIVERGEKOT IN SV SYNC IN READER TIME CODE IN LEIFWILLIA	SV 1 OUT SV 2 OUT L:REC OUT H:ADVANCE OFF OUT L:TEC CONF 1 WODE	HICOMB FILTER OFF C LYSERVOREF HOLD O LYSERVOREF HOLD O DL PB V IN LIDET NB.H LDET NB.H HAUTO STEREO OUT	L:N SHIFT INH OUT L:VISC EXIST IN L:C IMPACT ERROR II UNREG -17V IN	1917			1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	2 42 43 44 44 44 44 44 44 44 44 44 44 44 44	12 13 12 1 10 9 8 7 6 15 4 3 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 3 3 3 3 3 3 3 3	38 8 8 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	9 2 8 8 6 8	0 10 0 4 0 0 10	·		
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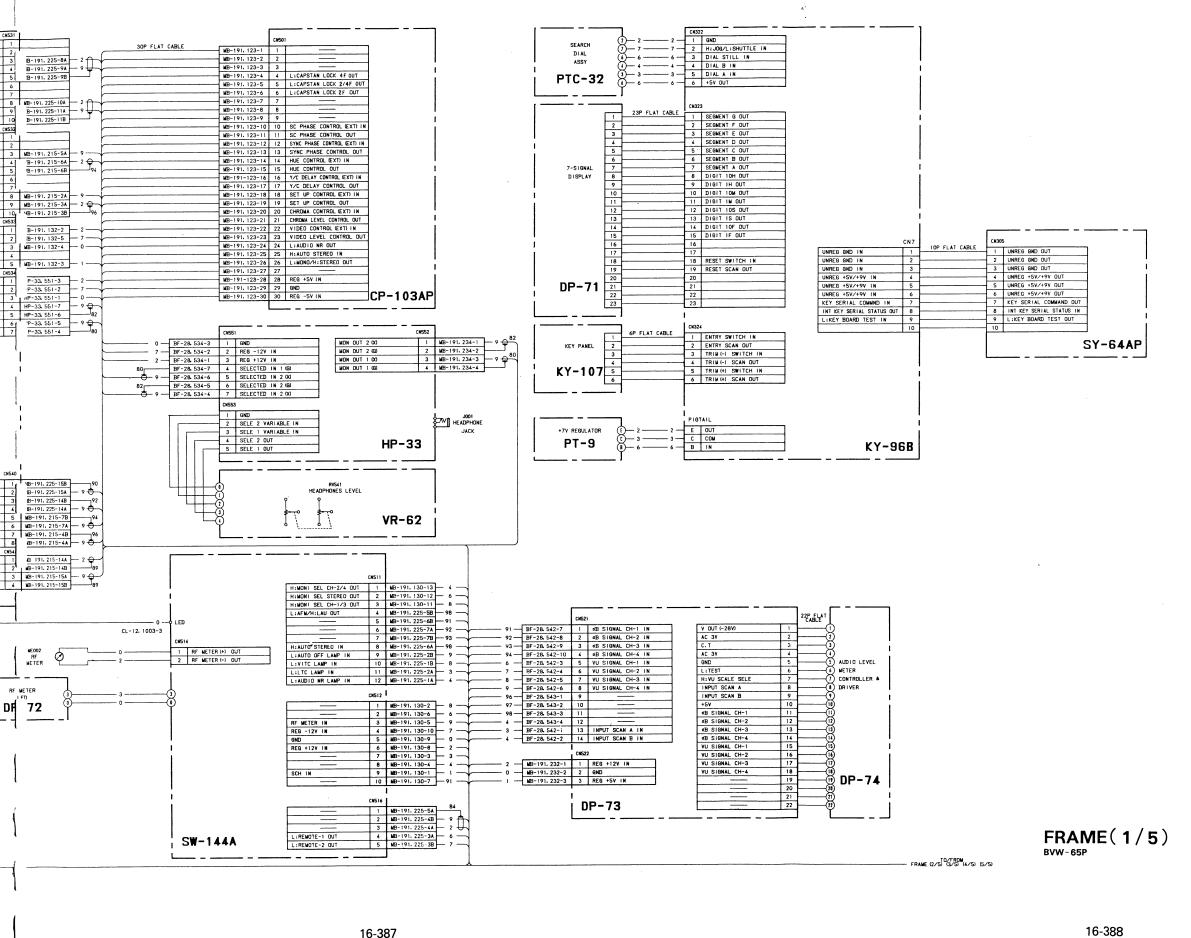
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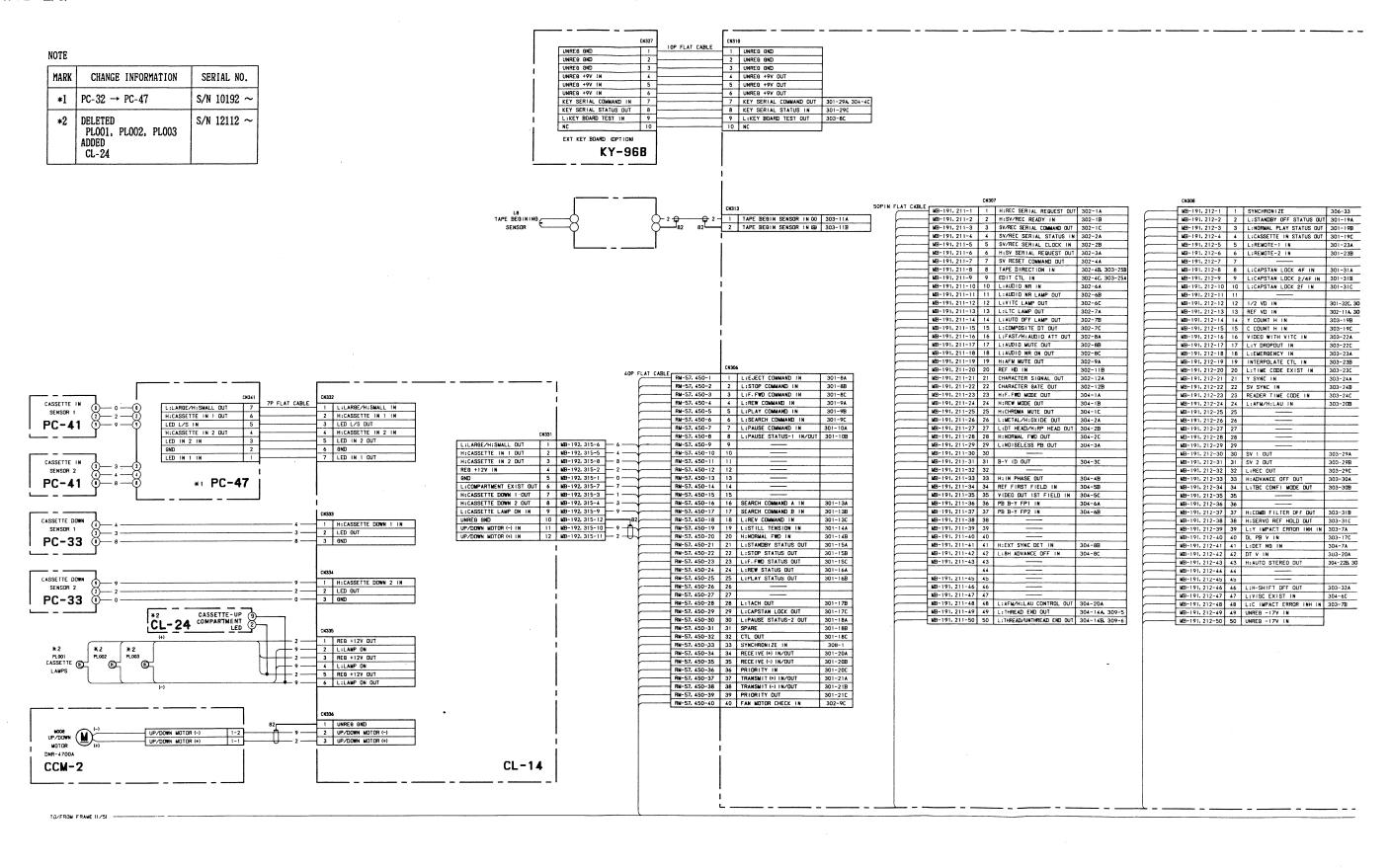
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FRAME (3/5)

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	123-6	L:CAPSTAN LUCK 2/4F OUT 9 MB-19			1-4 5B L;AFM/H;LAU IN	212-24	210-27A SG B (Q) IN 9 DT-15, 611-7 REG +12V OUT 10 DT-15, 512-4 - 2
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!	209-10A, 208-18C, 206-18			91- SW-144. 51		123 24 212 44 255 1	REG -12V QUT 12 DT-15, 512-6 - 7
,	102-16A 106-11A 101-211			92- SW-144, 51			CM235
	210-13B, 109-1C, 107-1C	Y COUNT H OUT 14 MB-19	92, 308-14	93- SW-144, 51	1-7 7B		UNREG +14V OUT   1 RM-57-451-2   -93
1	109-180, 107-180			2 - BF-28, 531	-3 BA CH-1 PB OUT 00	204-11B	UNREG +9V OUT 2 RM-57. 451-3 -91
	207-6A 111-1A				8B		UNREG GND 3 RM-57. 451-1 -90
1	111-5C, 106-15A, 102-23			9 BF-28, 531		204 - 11A	D-9ND 4 RM-57, 451-13 0
1		B L:EMERGENCY OUT 18 MB-19		80 BF-28, 531		204-10A	CM236
1	208-10 205-13			2 - BF-28, 531		204-13B	215-14A CH-2 MONITOR IN 00 IA CP-111, 407-3 - 9
	205-13	L:TIME CODE EXIST OUT 20 MB-19		9 - BF-28, 531	10B ————————————————————————————————————	204-124	215-14B CH-2 MONITOR IN (g) 1B CP-111, 407-4
1	207-10A 101-15A			82 BF-28, 531		204-13A 204-12A	215-15A CH-1 MONITOR IN CO 2A CP-111, 407-1 - 9
·	207-102 101-132			Br - 20, 531	12A	204-12A	215-15B CH-1 MONITOR IN (Q) 2B CP-111, 407-2
)	225-5B				128		CR237   215-4A 202-10C   CH-4 LINE OUT 00   1A   CP-111, 409-2   -9
,		25 MB-19			134		215-4B, 202-10B CH-4 LINE OUT (Q) 1B CP-111, 409-1
ļ.		26 MB-19			1318		215-7A 202-23C CH-3 LINE OUT 00 2A CP-111, 409-4 - 9
ı		27 MB-19		9 - BF-28, 540		204-7A 237-3A	215-7B. 202-23B CH-3 LINE OUT (6) 2B CP-111. 409-3
ſ		28 MB-19		92 BF-28, 540	7 14B CH-2 LINE DUT (Q)	204-6A 237-3B	225-14A 204-7A CH-2 LINE OUT 00 3A CP-111, 411-2 - 9
		29 MB-19		9 - BF-28, 540		204-9A 237-4A	225-14B, 204-6A CH-2 LINE OUT (Q) 3B CP-111, 411-1
	101-8A	SV 1 IN 30 MB-19:		90L BF-28, 540	5 15B CH-I LINE OUT (9)	204-8A 237-4B	225-15A 204-9A CH-1 LINE OUT 00 4A CP-111. 411-4 - 9
ļ	101-8B 101-8C	SV 2 IN 31 MB-193 L;REC IN 32 MB-193		2 CC =7 700	CN226	7	225-15B, 204-8A CH-1 LINE OUT (a) 4B CP-111, 411-3
ŀ	101-9A	H:ADVANCE OFF IN 33 MB-193		2 - SE-57, 703-			— 5A
ļ.	111-5B. 107-22C. 101-9B			9 SE-57, 703-		<del></del>	
}		35 MB-192		SE-57, 703			— 6A 6B
Ì		36 MB-192		4 - SE-57, 703-		T 206-10A	205-11B TIME CODE OUT CO 7A CN PANEL 007-2 - 2 -
ſ	107-21/			3 - SE-57, 703-		206-9C	7B
ſ	101-10/			8 - SE-57, 703-	7 7 LOADING FO IN	206-16C	205-11C TIME CODE OUT (Y) 8A CN PANEL, 007-3 - 9 -
ļ	109-10/			92 SE-57, 703-			205-11A TIME CODE OUT (9) 8B CN PANEL 007-1
	107-21				9 9 UNREG -17V OUT		94
	107-190 210-124, 106-14F				10 10 UNREG GND		9B
ļ	123-25, 225-6A, 233-1				11	204-84	
ŀ	120-23, 223-0M, 233-1	H:AUTU STEREU IN 43 MB-192		- o - <u>SE-5/, /03-</u>	CN227	206-8A	211-42 L:8H ADVANCE OFF IN 10B CN PANEL, 019-12-9-
ľ		- 45 MB-192		2 - TR-18, 1-1	1 VCC (S-TENSION SENSOR)	207-26A	REG +12V OUT
ļ	103-28C, 107-23C, 102-200	L:H SHIFT INH IN 46 MB-192		2 - TR-18, 1-2	2 S-TENSION SENSOR (+) IN		9ND 12A CP-111, 413-2 - 0 -
Ī	109-15C, 107-15C, 103-12C			9 - TR-18, 1-3	3 S-TENSION SENSOR (-) IN		12A CP-111, 413-2   0 -
ſ	109-10E	L:C IMPACT ERROR INH OUT 48 MB-192	92, 308-48	82 TR-18, 1-4	4 GND (S-TENSION SENSOR)		REG -12V OUT 13A CP-111, 413-1 - 7 -
ļ		UNREG -17V DUT 49 MB-192			CN228		138
ı		UNREG -17V OUT 50 MB-192	2. 308-50	9 - RE-28, 811-		208-15B	130-11 H:MONI SEL CH-1/3 DUT 14A CP-111, 414-1 - 4 -
		UNREG +14V OUT 1 RE-28.	. A14-1 2 2-1-	4 - RE-28, 811-	2 2 DRUM CURRENT IN 3 3 DRUM PHASE PG IN CO	208-15C	130-12 H:MONI SEL STEREO OUT 14B CP-111, 414-2 - 6 -
		REG +12V DUT 2 RE-28.		82 RE-28, 811-		208-14B	130-13 H:MONI SEL CH-2/4 OUT 15A CP-111, 414-3 - 8 -
		BMD 3 RE-28,			5 5 DRUM SPEED PG (A) IN CO	208-14A	211-48 L:AFM/H:LAU CONTROL OUT   ISB   CP-111, 414-4   -94-
		UNREG +14V OUT 4 RE-36.	5. 806-1 -3-	84 RE-28, 811-			l
		UNRES GND 5 RE-36.			7 7 DRUM SPEED PG (B) IN (X)		1
	CH215	UNREG -17V DUT 6 RE-28.	. 814-3 -8-	86 RE-28, 811-	8 8 DRUM SPEED PG (B) IN (G)		1
	14	CN214			CN232	_	
202-8C CH-4 PB DUT 00	1B 2A BF-28, 532-8 9 Q	REG -12V OUT 1 MB-192			1 REG +12V OUT	_	
	2A BF-28, 532-8 9 286	REG -5V OUT 2 MB-192 UNREG GMD 3 MB-192			2 2 GMD	-	!
	3A BF-28, 532-9 - 2 Q		72. 316-4 -90	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	3 3 REG +5V DUT		1
	3B BF-28, 532-10 96	UNREG +14V OUT 5 MB-192		3 - CP-111, 415	-1 1 H:AUTO STEREO OUT	123-25, 212-43, 225-6A	i
202-10C CH-4 LINE DUT 00	4A BF-28, 540-12 - 9 Q	UNREG +9Y OUT 6 MB-192			-2 2 MONITOR VR 1 DUT (Q)	234-4 23-43-225-6A	CW229
202-108 CH-4 LINE DUT (Q)	4B BF-28. 540-11 96	REG +5V OUT 7 MB-192	2 316-7 -1	CP-111, 415	-3 3 MONITOR VR I DUT CO	234-3	RE-28, 813-1   1   H;CAPSTAN POWER ON OUT   208-13A
	5A BF-28, 532-3 - 9 -	REG +12V OUT 8 MB-192	2. 316-8 -2-	83 CP-111, 415	-4 4 MONITOR VR 2 OUT (Q)	234-2 9 -	RE-28.813-2 2 CAPSTAN ERROR OUT 208-11C
	5B OPEN 84	BND 9 MB-192		CP-111, 415	-5 5 MONITOR VR 2 OUT 00	234-1	RE-28, 813-3 3 CAPSTAN CURRENT IN 207-11C, 208-13B, 210-29B
	6A BF-28, 532-4 - 2 O	9ND 10 MB-192	22. 316-10 -0	0.0 [15.55	CN234	8-	RE-28, 813-4 4 CAPSTAN FWD/REV OUT 207-11B, 206-11B, 208-11B, 210-29C
	6B BF-28, 532-5 94 7A BF-28, 540-10 9 9			9 - HP-33, 552- 82 HP-33, 552-		233-5	RE-2B, 813-5 5 Vcc (CAPSTAN FB) 208-22A
	7B BF-28, 540-9 94			82 HP-33, 552-		233-4	RE-28.813-6 6 CAPSTAN FG (J) IN 208-22B
	8A 84 94				4 MONITOR VR 1 IN (Q)	233-2 80	RE-28.813-7 7 CAPSTAN FG (6) IN 206-22C RE-28.813-8 8 9ND (CAPSTAN FG) 208-23A
	8B				1 - 1 montrion to 1 in the		C#730
	94		1			91-1	RE-36-807-1 1 H:REEL POWER ON OUT 206-13C TBC-9AP CN101
	9B		ļ			[î-l	RE-36 807-2 2 S-REEL CURRENT IN 207-23B EN-48P CN102
	10A					2-	RE-36, 807-3 3 S-REEL MOTOR DRIVE OUT 207-25A VO-18AP CN103
	108		1			3-{	RE-36.807-4 4 S-REEL F6-2 IN 207-20B DEC-39A CN105 RE-36.807-5 5 S-REFI F6-1 IN 207-20A TBC-8P CN106.107
	11A 11B					<b>├</b> ──⁴┤	THE GOVERN TO THE TENED TH
	11B					r-6+	NE-36 60/-6   6   1-REEL MUTUR DRIVE DUT   20/-25B
	12B					r?1	NE-30, 607-7 / 1-NEEL FG-2 IN 207-21A
	134		1			<u>:</u> :	RE-36.807-8 8 T-REEL F0-1 IN 207-20C AF M-1A UN2UZ RE-36.807-9 9 T-REEL CURRENT IN 207-24A AU-118P CN2O4
	138						RE-36 807-10 10 9ND REEL CURRENT) 207-23C 207-24R TC-40A CN205
			1				RE-36, 807-11 11 BND REEL FB 207-218 SV-82A CN206
236-1A CH-2 WONITOR DUT OO	14A BF-28, 541-1 - 2 -		i				RE-36 807-12 12 VCC REFL ED 207-19C SV-83B CN207
236-1A CH-2 WON ITOR DUT OO 236-1B CH-2 WON ITOR OUT (Q)	14B BF-28. 541-2 89		l l				
236-1A CH-2 MONITOR DUT OO 236-1B CH-2 MONITOR OUT OO 236-2A CH-1 MONITOR OUT OO	14B BF-28, 541-2 15A BF-28, 541-3 9 Q					1	SV-84P CN208
236-1A CH-2 MONITOR DUT OO 236-1B CH-2 MONITOR OUT OO 236-2A CH-1 MONITOR OUT OO	14B BF-28. 541-2 89						DT-13 CN209
236-1A CH-2 MONITOR DUT OO 236-1B CH-2 MONITOR OUT OO 236-2A CH-1 MONITOR OUT OO	14B BF-28, 541-2 15A BF-28, 541-3 9 Q						DT-13 CN209 DT-14P CN210
236-1A CH-2 WONITOR DUT OO 236-1B CH-2 WONITOR OUT GO 236-2A CH-1 WONITOR OUT GO	14B BF-28, 541-2 15A BF-28, 541-3 9 Q						DT-13 CN209

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BVW-65P

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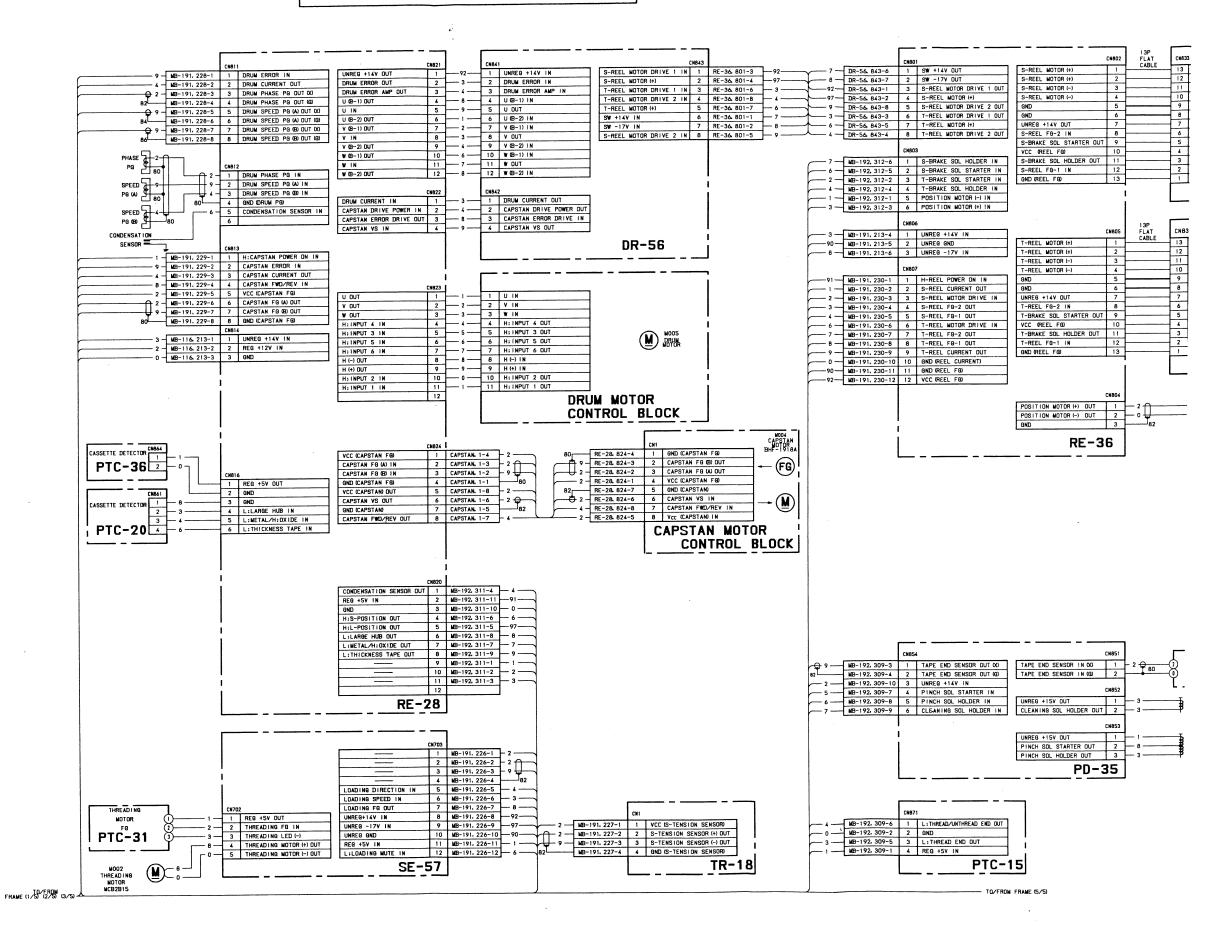
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MARK	CHANGE INFORMATION	SERIAL NO.
*1	AC-81 → AC-96	S/N 10192 ~
*2	CP-111 → CP-161A	S/N 12855 ~

The shaded and A-marked components are critical to safetv. Replace only with same components as specified. MB-191B (2/2) | CP-103.501-7 | 7 | CP-103.501-8 | 8 | CP-103.501-9 | 9 | CP-103.501-10 | 10 | SC PHASE CONTROL EXT) DUT | 124-1 | CP-103.501-11 | 11 | SC PHASE CONTROL EXT) DUT | 124-2 | CP-103.501-12 | 12 | SYME PHASE CONTROL EXT) DUT | 124-2 | CP-103.501-13 | 3 | SYME PHASE CONTROL EXT) DUT | 124-2 | CP-103.501-14 | 4 | HUE CONTROL EXT) DUT | 124-3 | CP-103.501-15 | 15 | HUE CONTROL EXT) DUT | 124-3 | CP-103.501-15 | 16 | V/C DELAY CONTROL EXT) DUT | 124-8 | CP-103.501-16 | 16 | V/C DELAY CONTROL EXT) DUT | 124-6 | CP-103.501-17 | 17 | V/C DELAY CONTROL EXT) DUT | 124-6 | CP-103.501-19 | 19 | SET UP CONTROL EXT) DUT | 124-6 | CP-103.501-21 | 21 | CHROMA CONTROL EXT) DUT | 124-5 | CP-103.501-22 | 22 | VIDEO CONTROL EXT) DUT | 124-6 | CP-103.501-23 | 23 | VIDEO LEVEL CONTROL IN | 107-29A | CP-103.501-24 | 24 | LIAMDIO NR IN | 211-10 | CP-103.501-25 | 25 | HANDIO STREED OUT | 124-6 | CP-103.501-25 | 25 | HANDIO STREED OUT | 212-48 | 225-6A 233-1 | CP-103.501-28 | 28 | RES 45V OUT | CP-103.501-29 | 29 | GND | CP-103.501-29 | 29 | RES 45V OUT | CP-103.501-29 | 29 | RES 45V OUT | CP-103.501-30 | 30 | RES -5V OUT | CP-103.501-30 | 30 | R 1A CN PANEL 019-1
1B CN PANEL 019-1
2A CN PANEL 019-8
2B CN PANEL 019-7 103-8A VIDEO 0UT 1 00
103-8B VIDEO 0UT 1 (0)
103-9C VIDEO 0UT 2 (0)
103-9B VIDEO 0UT 2 (0)
103-10A VIDEO 0UT 3 (0)
103-10B VIDEO 0UT 3 (0) CN PANEL, 015-X CN PANEL, 015-G CN PANEL, 016-X CN PANEL, 016-G CN PANEL, 017-X 2 99 2 99 82 1 9 MB-191. 236-2A 1 I MP MON-1 OUT 00 MB-191. 236-2B 2 IMP MON-1 OUT 80 MB-191. 236-1B 3 IMP MON-2 OUT 00 MB-191. 236-1B 4 IMP MON-2 OUT 00 MB-191. 236-1B 4 IMP MON-2 OUT 00 MB-191. 236-1B 4 IMP MON-2 OUT 00 MB-191. 236-1B 5 L: MONOZH: STEREO I N SR-26 80 2 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | CM611 | REG +12V OUT CN409

1 96 9 MB-191, 237-1B 1 CH-4 LINE IN (0)

8 94 MB-191, 237-2B 3 CH-3 LINE IN (0)

4 9 MB-191, 237-2A 4 CH-3 LINE IN (0)

7 MB-191, 237-2A 4 CH-3 LINE IN (0) SW-144, 512-9 9 | CM411 9 | MB-191, 237-3B | CH-2 LINE IN (0) 9 | MB-191, 237-3B | CH-2 LINE IN (0) 2 | 90 | MB-191, 237-4B | CH-2 LINE IN (0) 0 | 9 | MB-191, 237-4B | CH-1 LINE IN (0) 0 | 9 | MB-191, 237-13A | CH-1 LINE IN (0) 0 | MB-191, 237-13A | REG -12V IN 0 | MB-191, 237-12A | REG -12V IN 0 | MB-191, 237-11A | REG -12V IN 0 | MB-191, 237-11A | REG -12V IN REG +12V OUT 9ND
REG -12V OUT
237-14A H:MONI SEL CH1/3 IN
237-14B H:MONI SEL STEREO IN
237-15A H:MONI SEL CH2/4 IN 9 86 6 MB-191, 237-148 2 HINDNI SELE CHI/3
8 MB-191, 237-158 3 HINDNI SELE CHI/3
9 B4 MB-191, 237-158 4 LIAFM/HILAU CONTRI 108-108 Y-IMPACT ERROR OUT 00
108-107 Y-IMPACT ERROR OUT 00
108-128 Y-IMPACT ERROR IN 00
108-128 Y-IMPACT ERROR IN 00
109-228 C-IMPACT ERROR UT 00
109-228 C-IMPACT ERROR OUT 00
109-226 C-IMPACT ERROR OUT 00
109-226 C-IMPACT ERROR IN 00 2 Y CH-B IN 00 3 Y CH-B IN 00 DT-15 TARREPHINER 111-15B 111-15C CANIS

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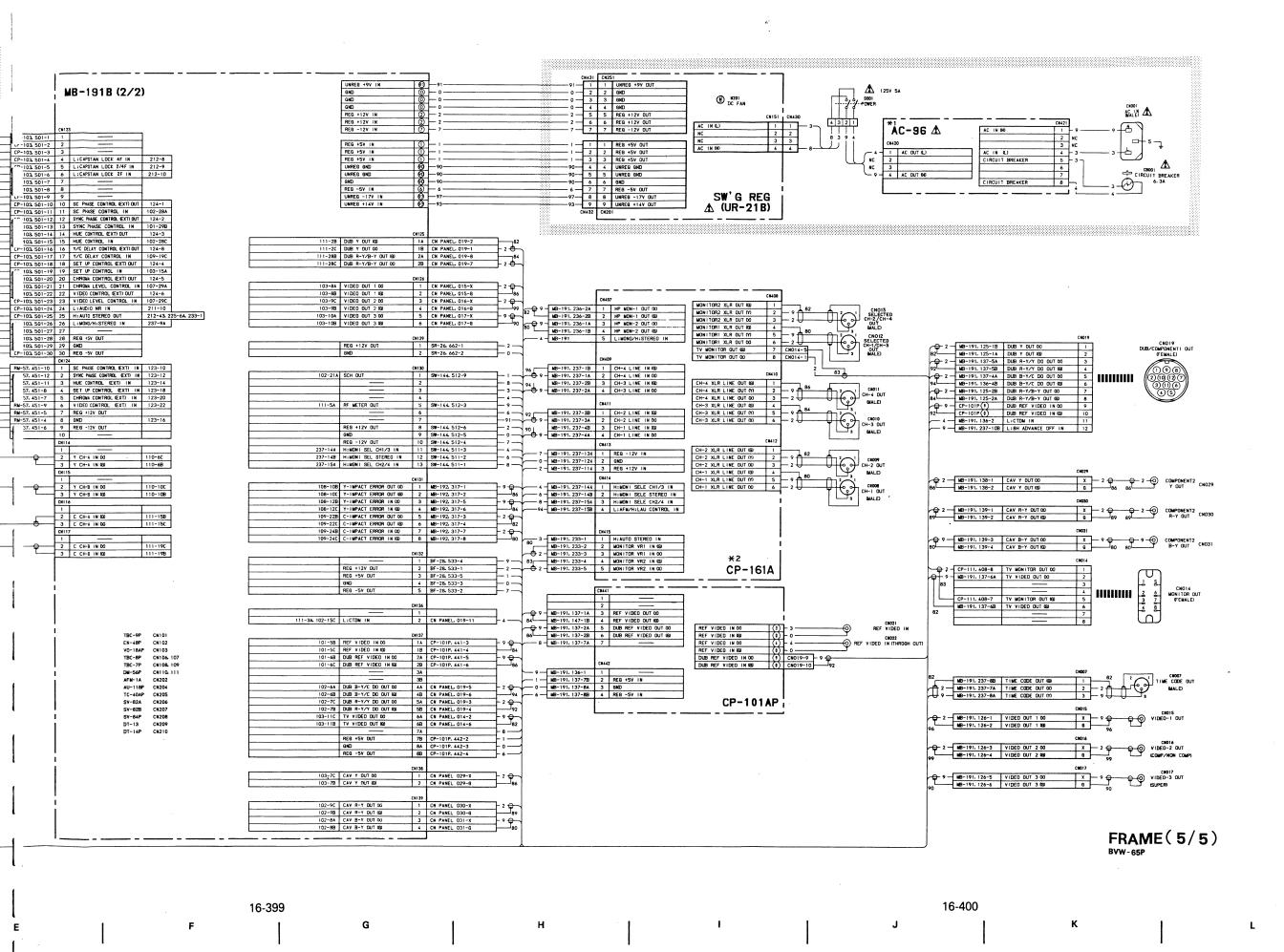
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CA 2 C CH-B IN 00 3 C CH-B IN (Q) 1 BF-28, 533-4 2 BF-28, 533-1 3 BF-28, 533-5 REG +12V OUT REG -5V OUT 84 MB-191, 137-1A 3 REF VIDEO OUT 00
84 MB-191, 147-1B 4 REF VIDEO OUT 00
85 MB-191, 137-2A 5 DUB REF VIDEO OUT
86 MB-191, 137-2B 6 DUB REF VIDEO OUT
8 MB-191, 137-7A 7 Y CH-A - 4-(1) 11-3A 102-15C L:CTDM IN 2 CN PANEL, 019-1 Y CH-B 2 - 2 - 2 - 1 TBC-9P CN101
EN-48P CN102
V0-18AP CN103
TBC-8P CN106. 107
TBC-7P CN106. 107
TBC-7P CN106. 109
TBC-7P CN202
AU-118P CN202
SY-82B CN207
SY-82B CN207
SY-82B CN207
SY-84P CN208
DT-14P CN210 101-5B REF VIDEO IN 00 101-5C REF VIDEO IN 00 101-6B DUB REF VIDEO IN 00 101-6C DUB REF VIDEO IN 00 1A CP-101P. 441-3
1B CP-101P. 441-4
2A CP-101P. 441-5
2B CP-101P. 441-6 C CH-A 3-3 VIDEO HEAD 9-9 102-6A DUB B-Y/C DO OUT OO
102-6B DUB B-Y/C DO OUT GO
102-7C DUB R-Y/Y DO OUT GO
102-7B DUB R-Y/Y DO OUT GO
103-11C TV VIDEO OUT GO
103-11B TV VIDEO OUT GO 4A CN PANEL 019-5
4B CN PANEL 019-6
5A CN PANEL 019-3
5B CN PANEL 019-4
6A CN PANEL 014-2
6B CN PANEL 014-6
7A C CH-B 2 - 2 - 2 - 3 7A | 7B | CP-101P. 442-2 | 8A | CP-101P. 442-3 | 8B | CP-101P. 442-4 REG +5V DUT REG -5V OUT SG (A+) 1 CN PANEL 029-X 2 CN PANEL 029-B 103-76 CAV Y OUT 00 103-78 CAV Y OUT (G) 1 CN PANEL 030-X
2 CN PANEL 030-G
3 CN PANEL 031-X
4 CN PANEL 031-G 9 0 🗘 UPPER DRUM TO/FROM FRAME (1/5) (2/5) (3/5) (4/5) ---

NOTE:

16-398 B C D E F G H



# SONY.

VIDEOCASSETTE PLAYER

# BVW-65P



### BETACAM SP

MAINTENANCE MANUAL Volume 2 3rd Edition (Revised 10) Serial No. 10061 and Higher EBU N-10 LEVEL このマニュアルに記載されている事柄の著作権は当社にあり、説明内容は機器購入者の使用を目的としています。従って、当社の許可なしに無断で複写したり、説明内容(操作、保守等)と異なる目的で本マニュアルを使用することを禁止します。

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# SECTION 17 PRINTED WIRING BOARDS

### CIRCUIT CONFIGURATION

The circuit information is provided below.

System	Board	Circuit function
	DM-56P	Y/C Demodulator
	DUS-259	Metal/Oxide LPF Switch
	DUS-269	C RF Phase EQ.
	DUS-288	DO RF EQ.
	* 3	
	EQ-26 *3	RF EQ.
	EQ-28 *3	RF EQ.
	TBC-7P *6	Time Base Corrector
	SW-261	Metal/Oxide Y/C Delay
	* 2	Adjust Volume
V IDEO	TBC-7D *7	Time Base Corrector
TEEO	TBC-8P *6	Time Base Corrector
	NR-25	Y Digital Noise
	*6	Reduction
	TBC-12P	Time Base Corrector
	*7	
	NR-32	Y Digital Noise
	*7	Reduction, Read Clock
		Generator
	TBC-9P	Time Base Corrector
	EN-48P	C Encoder
	VO-18AP	Video Output
	DUS-270	Squelch Buffer
	DEC-39A	Edge Detector
	*4	
	DEC-46AP	Edge Detector
	* 5	
	CP-103AP	Sub Control Panel
	CP-101AP	REF Video Input
	AU-118P	LNG Audio Head Amplifier
	AFM-1A	AFM Audio Demodulator
	FL-61	Low-Pass Filter
	BF-28A	Audio Buffer/Level
AUDIO		Detector
	VR-42	Audio PB Volume
	CP-111	Audio Output
	CP-161A	Amplifier/Driver
	CP-113	Audio Balanced Amplifier

System	Board	Circuit function
	HP-33	Headphones Amplifier/
		Jack
AUDIO	VR-62	Headphones Level Volume
	DP-74	Audio Level Meter
	DP-73	DC-AC/DC Converter
	SW-144A	Select Switch/Display
	DP-72	RF Meter LED
	SV-82A	Microcomputer Servo
	SV-83B	Reel Servo
	SV-84P	Capstan/Drum Servo
	RE-28	Capstan/Drum Motor
		Driver
	PTC-20	Cassette Detector (Tape
		Thickness, Reel Hub
		Diameter, Metal/Cxide)
	PTC-36	Cassette Detector (Tape
		Thickness, Reel Hub
		Diameter, Metal/Oxide)
SERVO	PTC-21	Reel Table Position
		Detector
	DR-56	Drum Error Amprifier,
		Capstan/Reel Motor
		Driver
	RE-36	Reel Motor Driver
	RM-40	Reel Motor
	DE-15	Reel Motor FG
	SE-57	Threading Motor Control
	PTC-31	Threading Motor FG
	TR-18	Tape Tension Sensor
	DT-13	Dynamic Tracking
	DT-14P	Dynamic Tracking
	DUS-282	Strain Gage Buffer
	*1	
	DT-15	Dynamic Tracking

System   Board   System Control		<del>,</del>	<u> </u>				
SY-64AP Time Code Reader PD-35 Pinch/Cleaning Solenoid PTC-15 Thread/Unthread End Sensor RM-57 Remote Connector CL-14 Cassette-up Compartment CL-24 Cassette-up Compartment ** LED  SYSTEM CONTROL  *2 Detector PC-47 Large/Small Cassette *3 Detector PC-33 Cassette Down Detector PC-41 Cassette In Detector CCM-2 Up/Down Motor HC-11 Hours Meter KY-96B Keyboard KY-107 Keyboard PTC-32 Search Dial DP-71A Time Counter Display PT-9 Power Transistor TC-40AP LTC PB Amplifier AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator C1 Switching Regulator C2 Switching Regulator M2 Switching Regulator M3 Switching Regulator M4 Switching Regulator M5 Switching Regulator M6 Switching Regulator M6 Switching Regulator M8 Switching Regulator M8 Switching Regulator M9 Switching Regulator M8 Switching Regulator M9 Switching Regulator M8 Switching Regulator M9 Switching Regulator M8 Switching Regulator	System	Board	Circuit function				
PD-35 Pinch/Cleaning Solenoid  PTC-15 Thread/Unthread End Sensor  RM-57 Remote Connector  CL-14 Cassette-up Compartment CL-24 Cassette-up Compartment  **8 LED  SYSTEM PC-32 Large/Small Cassette  **3 Detector  PC-47 Large/Small Cassette  **3 Detector  PC-41 Cassette In Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		SY-61A	System Control				
Solenoid PTC-15 Thread/Unthread End Sensor RM-57 Remote Connector CL-14 Cassette-up Compartment CL-24 Cassette-up Compartment LED SYSTEM PC-32 Large/Small Cassette PC-47 Large/Small Cassette *3 Detector PC-47 Large/Small Cassette *3 Cassette Down Detector PC-41 Cassette In Detector CCM-2 Up/Down Motor HC-11 Hours Meter KY-96B Keyboard KY-107 Keyboard PTC-32 Search Dial DP-71A Time Counter Display PT-9 Power Transistor TC-40AP LTC PB Amplifier AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator M2 Switching Regulator C1 Switching Regulator M2 Switching Regulator M3 Switching Regulator M4 Switching Regulator M5 Switching Regulator M6 Switching Regulator M8 Switching Regulator		SY-64AP	Time Code Reader				
PTC-15 Thread/Unthread End Sensor  RM-57 Remote Connector  CL-14 Cassette-up Compartment  CL-24 Cassette-up Compartment  **8 LED  SYSTEM PC-32 Large/Small Cassette  **2 Detector  PC-47 Large/Small Cassette  **3 Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C1 Switching Regulator  M2 Switching Regulator  M3 Switching Regulator  M4 Switching Regulator  M5 Switching Regulator  M6 Switching Regulator  M8 Switching Regulator		PD-35	Pinch/Cleaning				
Sensor  RM-57 Remote Connector  CL-14 Cassette-up Compartment  CL-24 Cassette-up Compartment  *8 LED  SYSTEM PC-32 Large/Small Cassette  *2 Detector  PC-47 Large/Small Cassette  *3 Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C1 Switching Regulator  MB-191B Mother Board  EX-116 Extension Board  EX-134 Extension Board			Solenoid				
RM-57 Remote Connector  CL-14 Cassette-up Compartment  CL-24 Cassette-up Compartment  *8 LED  SYSTEM PC-32 Large/Small Cassette  *2 Detector  PC-47 Large/Small Cassette  *3 Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  C3 Switching Regulator  C4 Switching Regulator  C5 Switching Regulator  MB-191B Mother Board  EX-116 Extension Board  EX-134 Extension Board		PTC-15	Thread/Unthread End				
CL-14 Cassette-up Compartment CL-24 Cassette-up Compartment  *8 LED  SYSTEM CONTROL  *2 Detector  PC-47 Large/Small Cassette  *3 Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-116 Extension Board			Sensor				
CL-24  *8 LED  SYSTEM PC-32  Large/Small Cassette  Detector  PC-47  Large/Small Cassette  *3 Detector  PC-33  Cassette Down Detector  PC-41  Cassette In Detector  CCM-2  Up/Down Motor  HC-11  Hours Meter  KY-96B  Keyboard  KY-107  Keyboard  PTC-32  Search Dial  DP-71A  Time Counter Display  PT-9  Power Transistor  TC-40AP  LTC PB Amplifier  AC-81 *2  Relay Board of AC Inlet  AC-96 *3  Relay Board of AC Inlet  AC-96 *3  Relay Board of AC Inlet  M1  Switching Regulator  M2  Switching Regulator  C1  Switching Regulator  C1  Switching Regulator  M2  Switching Regulator  M3  OTHERS  OTHERS  OTHERS  C2  Switching Regulator  MB-191B Mother Board  MB-192  Mother Board  EX-116  Extension Board  EX-134  Extension Board		RM-57	Remote Connector				
*8 LED  SYSTEM PC-32 Large/Small Cassette  CONTROL *2 Detector  PC-47 Large/Small Cassette  *3 Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  FTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C1 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-134 Extension Board		CL-14	Cassette-up Compartment				
SYSTEM CONTROL *2 Detector  PC-47 Large/Small Cassette  *3 Detector  PC-33 Cassette Down Detector  PC-41 Cassette In Detector  CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C1 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		CL-24	Cassette-up Compartment				
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PC-47  *3  Detector  PC-33  Cassette Down Detector  PC-41  Cassette In Detector  CCM-2  Up/Down Motor  HC-11  Hours Meter  KY-96B  Keyboard  KY-107  Keyboard  PTC-32  Search Dial  DP-71A  Time Counter Display  PT-9  Power Transistor  TC-40AP  LTC PB Amplifier  AC-81 *2  Relay Board of AC Inlet  AC-96 *3  Relay Board of AC Inlet  M1  Switching Regulator  M2  Switching Regulator  C1  Switching Regulator  C1  Switching Regulator  MB-191B  Mother Board  MB-192  Mother Board  EX-116  Extension Board	SYSTEM	PC-32	Large/Small Cassette				
PC-33 Cassette Down Detector PC-41 Cassette In Detector CCM-2 Up/Down Motor HC-11 Hours Meter KY-96B Keyboard KY-107 Keyboard PTC-32 Search Dial DP-71A Time Counter Display PT-9 Power Transistor TC-40AP LTC PB Amplifier AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator M2 Switching Regulator C1 Switching Regulator C2 Switching Regulator MB-191B Mother Board MB-192 Mother Board EX-116 Extension Board	CONTROL	* 2	Detector				
PC-33 Cassette Down Detector PC-41 Cassette In Detector CCM-2 Up/Down Motor HC-11 Hours Meter KY-96B Keyboard KY-107 Keyboard PTC-32 Search Dial DP-71A Time Counter Display PT-9 Power Transistor TC-40AP LTC PB Amplifier AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator M2 Switching Regulator C1 Switching Regulator C1 Switching Regulator C2 Switching Regulator MB-191B Mother Board MB-192 Mother Board EX-116 Extension Board		PC-47	Large/Small Cassette				
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PC-41 Cassette In Detector CCM-2 Up/Down Motor HC-11 Hours Meter KY-96B Keyboard KY-107 Keyboard PTC-32 Search Dial DP-71A Time Counter Display PT-9 Power Transistor TC-40AP LTC PB Amplifier AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator M2 Switching Regulator C1 Switching Regulator C1 Switching Regulator C2 Switching Regulator MB-191B Mother Board MB-192 Mother Board EX-116 Extension Board		PC-33	Cassette Down Detector				
CCM-2 Up/Down Motor  HC-11 Hours Meter  KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  C3 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		PC-41					
KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		CCM-2	Up/Down Motor				
KY-96B Keyboard  KY-107 Keyboard  PTC-32 Search Dial  DP-71A Time Counter Display  PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		HC-11	Hours Meter				
PTC-32 Search Dial  DP-71A Time Counter Display PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		KY-96B					
DP-71A Time Counter Display PT-9 Power Transistor TC-40AP LTC PB Amplifier AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator M2 Switching Regulator C1 Switching Regulator C2 Switching Regulator MB-191B Mother Board MB-192 Mother Board EX-116 Extension Board		KY-107	Keyboard				
PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		PTC-32	Search Dial				
PT-9 Power Transistor  TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		DP-71A	Time Counter Display				
TC-40AP LTC PB Amplifier  AC-81 *2 Relay Board of AC Inlet  AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board		PT-9	_				
AC-81 *2 Relay Board of AC Inlet AC-96 *3 Relay Board of AC Inlet M1 Switching Regulator M2 Switching Regulator C1 Switching Regulator C2 Switching Regulator MB-191B Mother Board MB-192 Mother Board EX-116 Extension Board EX-134 Extension Board		TC-40AP					
AC-96 *3 Relay Board of AC Inlet  M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-134 Extension Board							
M1 Switching Regulator  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-134 Extension Board		AC-96 *3					
OTHERS  M2 Switching Regulator  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-134 Extension Board		M1					
OTHERS  C1 Switching Regulator  C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-134 Extension Board	[	M2					
C2 Switching Regulator  MB-191B Mother Board  MB-192 Mother Board  EX-116 Extension Board  EX-134 Extension Board	·	C1					
MB-191B Mother Board MB-192 Mother Board EX-116 Extension Board EX-134 Extension Board	OTHERS	C2					
MB-192 Mother Board EX-116 Extension Board EX-134 Extension Board		MB-191B					
EX-116 Extension Board EX-134 Extension Board	,						
EX-134 Extension Board		EX-116					
		EX-134					

<sup>\*1...</sup>Serial No. 10161 and higher

<sup>\*2...</sup>Serial No. up to 10191

<sup>\*3...</sup>Serial No. 10192 and higher

<sup>\*4...</sup>Serial No. up to 10669

<sup>\*5...</sup>Serial No. 10670 and higher

<sup>\*6...</sup>Serial No. up to 10769

<sup>\*7...</sup>Serial No. 10770 and higher

<sup>\*8...</sup>Serial No. 12112 and higher

SP101 SP102 SP301 SP402 SP501 SP502 SP701 SP801

TH301 TH701

TP1

A-2 A-2 D-2 E-6 F-1 F-1 J-2 J-5

D-5 J-5

 $\begin{array}{l} B\text{-}141\\ C\text{-}B\text{-}C\text{-}121\\ A\text{-}-514\\ C\text{-}D\text{-}E\text{-}666\\ C\text{-}667\\ C\text{-}711\\ C\text{-}1223\\ C\text{-}11122\\ C\text{-}657\\ C\text{-}641\\ C\text{-}11122\\ C\text{-}641\\ C\text{-}11122\\ C\text{-}666\\ C\text{-}666\\ C\text{-}666\\ C\text{-}677\\ C\text{-}677\\ C\text{-}641\\ C\text{-}641\\ C\text{-}677\\ C\text{-}641\\ C\text{-}677\\ C\text{-}641\\ C\text{-}677\\ C\text{-}641\\ C\text{-}677\\ C\text{-}641\\ C\text{-}677\\ C\text{-}641\\ C\text{-}677\\ C$ 

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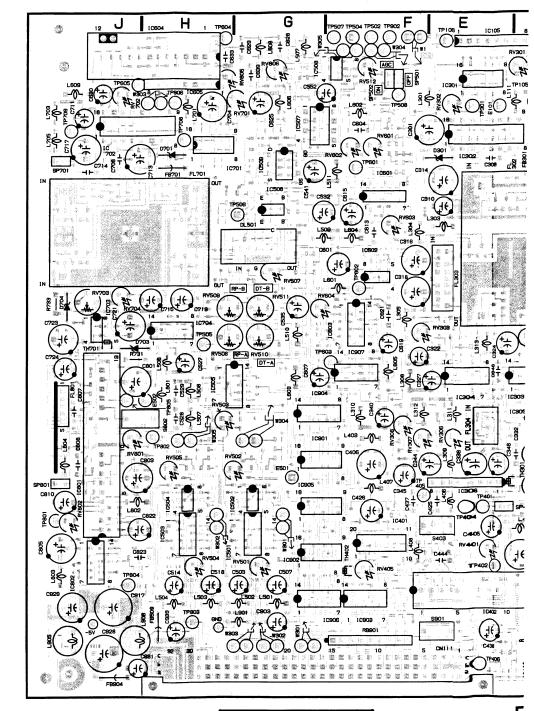
DM-56P (1-622-545-31, 32, 33, 34)

DED NO	TUDE	PIN NO.						
REF.NO.	TYPE	+ 12V	+ 90	+ 50	REG + 5V	GND	-5V	-12V
IC 1 IC 2 IC 3 IC 4 IC 5 IC 102 IC 103 IC 104 IC 105 IC 201	CX20158 CX20158 μ PC1663G μ PC1663G CX20158 SN16913P NJM4558M HF UNIT CX20061 NJM1496M	8 8 1		12 12 6 6 12		5.7.10 5.7.10 5.7.10 4 1.5.10	1 1 3 3 1	4
IC 202 IC 203 IC 204 IC 205 IC 206 IC 207 IC 301	TL082CPS SN75107AN TL082CPS TC4053BF SN74LS06NS BX1098L MC10H116M	8	12	14 16 14	1.16	7 8 7 2.3.9 10 8	4 13 4 7	
IC 302 IC 303 IC 304	MC10198L CX20158 CX20158			12 12	1.16	5.7.10 5.7.10	1 1	
IC 305 IC 306 IC 401 IC 402	μ PC1663G CX20061 CXA1039M SBX1540-31	* 1	1 19	4		5 6 1.5.6 9.15	2	*
IC 403 IC 501 IC 502 IC 503 IC 504 IC 505	CX20158 CX20158 µPC1663G CX20158 µPC1663G CX20158			12 12 6 12 6 12		16.18 5.7.10 5.7.10 5.7.10 5.7.10	1 1 3 1 3	
IC 507 IC 508 IC 601 IC 602 IC 603 IC 604 IC 605 IC 701 IC 702	SN16913P NJM4558M NJM1496M TL082CPS SN75107AN HF UNIT CX20061 MC10H116M MC10198L	8 8		8 14 12	1.16 1.16	7 1.5.10 5 8 8	4 13	4 14
IC 703 IC 704 IC 801	μPC1663G CX20158 SBX1540-21		19	6 12 4		5.7.10 1.5.6	2	
IC 802 IC 901 IC 902 IC 903 IC 904 IC 905 IC 906 IC 908	CX20158 TC74HC4049F TC74HC4049F TC74HC08F TC74HC08F TC74HC08F TC74HC08F RC7809FA	*	*	12 1 1 14 14 14 14 1 14		9.15 16.18 5.7.10 8 8 7 7 7 8	1	*
1C 909	RC7805FA	*	*	*		*	*	*

\* REFER TO SCHEMATIC

DM-56P	(1-622-545-	31,32,33,34)					
CN110 CN111	B-7 E-7	1C603 1C604 1C605	F-4 H-1 H-1	Q303 Q304 Q305	D-2 E-2 D-2	Q814 Q901 Q902	J-6 C-3 C-2
D101 D201 D202	D-2 A-5 A-5 E-2	1C701 1C702 1C703 1C704	H-2 J-1 J-4 H-4	9306 9307 9308 9309	D-2 D-3 E-2 E-3	RV1 RV2 RV3	B-7 B-6 B-5
D301 D302 D303 D304	E-2 E-2 D-5 D-4	1C801 1C802 1C901	J-5 J-6 G-5	Q310 Q311 Q312	E-3 E-4 E-4	RV4 RV5 RV6	C-5 C-5 C-7
D305 D601 D701	D-5 F-4 H-2	IC902 IC903 IC904	G-6 F-7 G-5	Q313 Q314 Q315	D-5 E-5 E-5	RV7 RV8 RV9	C-6 C-5 B-4
D702 D703 D704	H-2 J-4 J-3	IC905 IC906 IC907	G-6 G-7 F-4	Q316 Q317 Q318	E-5 F-5 F-5	RV11 RV12 RV13	B-5 B-5 B-5
D801 D802 D901 D902	H-6 H-6 A-1 A-1	IC908 IC909 LV1	A-1 A-1 C-5	Q401 Q402 Q403 Q404	D-6 D-6 D-5 D-6	RV14 RV15 RV101 RV102	B-5 C-3 A-2 B-1
DJ02 DL1 DL501	B-4 G-3	Q1 Q2	B-7 B-7	Q409 Q410 Q411	E-6 E-6 E-6	RV103 RV104 RV105	B-2 C-1 C-1
E1 E5	B-6 D-4	93 94 95	B-7 B-6 B-6	Q412 Q413 Q414 Q415	E-6 F-6 F-6 E-7	RV106 RV107 RV201 RV202	C-1 D-1 A-3 A-3
E101 E201 E401 E501	E-1 B-4 D-7 G-5	96 97 98 99	C-5 B-4 B-4 C-7	Q416 Q501 Q504	E-7 G-6 G-5	RV203 RV204 RV205	A-4 B-5 A-5
E502 FL301	H-4 D-3	910 911 912 913	C-7 C-7 C-6 C-6	9505 9508 9509 9510	H-6 H-5 H-4 H-4	RV206 RV207 RV301 RV302	A-6 C-3 D-1 E-1
FL302 FL303 FL304 FL701	E-3 E-3 E-5 J-3	Q16 Q18 Q19	C-4 B-4 B-4	Q511 Q512 Q513	H-3 G-3 H-4	RV303 RV304 RV305	E-4 D-4 D-5
FL801 IC1	J-4 B-6 C-6	020 021 022 023	B-4 B-5 B-5 B-5	Q514 Q515 Q516 Q517	H-4 G-4 G-4 G-3	RV306 RV307 RV308 RV401	E-5 E-5 F-5 E-6
IC2 IC3 IC4 IC5	B-6 C-6 C-4	924 925 926	B-5 B-4 B-3	Q518 Q519 Q520	G-3 G-3 G-2	RV405 RV406 RV501	F-6 D-6 G-6
1C101 1C102 1C103 1C104	B-3 B-2 A-2 D-1	927 928 9101 9102	C-3 C-3 B-3 B-3	Q521 Q522 Q523 Q524	G-2 G-2 G-2 G-2	RV502 RV503 RV504 RV505	G-5 H-5 H-6 H-5
IC104 IC105 IC201 IC202	E-1 A-3 A-4	Q103 Q104 Q105	B-3 A-2 A-2	Q525 Q526 Q527	G-2 F-1 H-3	RV507 RV508 RV509	G-3 H-4 H-3
1C203 1C204 1C205	A-5 A-6 A-6 C-3	9106 9107 9108 9109	A-2 B-2 C-2 C-2	9601 9602 9603 9604	F-1 F-2 F-3 G-4	RV510 RV511 RV512 RV601	G-4 G-3 F-1 F-2
IC207 IC301 IC302 IC303	E-1 E-2 D-4	9110 9111 9112	D-1 C-1 B-1	9605 9606 9607	F-4 F-4 G-1	RV602 RV603 RV604	F-2 F-3 G-3
IC304 IC305 IC306 IC401	E-4 D-5 E-5 F-6	9113 9114 9115 9116	B-2 B-1 C-1 C-1	9608 9609 9610 9701	G-1 G-1 G-1 H-2	RV605 RV606 RV701 RV702	H-1 G-1 G-1 J-1
IC401 IC402 IC403 IC501	E-7 D-7 G-6	9117 9118 9119	D-1 D-1 D-1	9702 9703 9704	J-3 J-2 J-2	RV703 RV704 RV707	J-3 J-3 J-1
1C502 1C503 1C504	G-6 11-6 H-6	9201 9202 9203 9204	A-2 A-3 A-3 B-5	9705 9706 9707 9708	J-3 J-4 J-3 H-3	RV801 RV802 S402	J-5 J-6 D-6
1C505 1C506 1C507 1C508	G-4 G-2 G-1 F-1	9204 9205 9206 9207	A-5 A-5 A-5	9709 9801 9802	H-3 J-4 J-5	\$403 \$802 \$901	E-6 H-5 E-7
1C509 1C601 1C602	G-2 F-2 F-3	Q208 Q301 Q302	B-3 E-2 E-2	9803 9804 9813	J-5 J-5 II-5	SL701	H-2

DM-56P; Y/C DEMODULATOR DUS-259; METAL/OXIDE LPF SWITCH DUS-269; C RF PHASE EQUALIZER



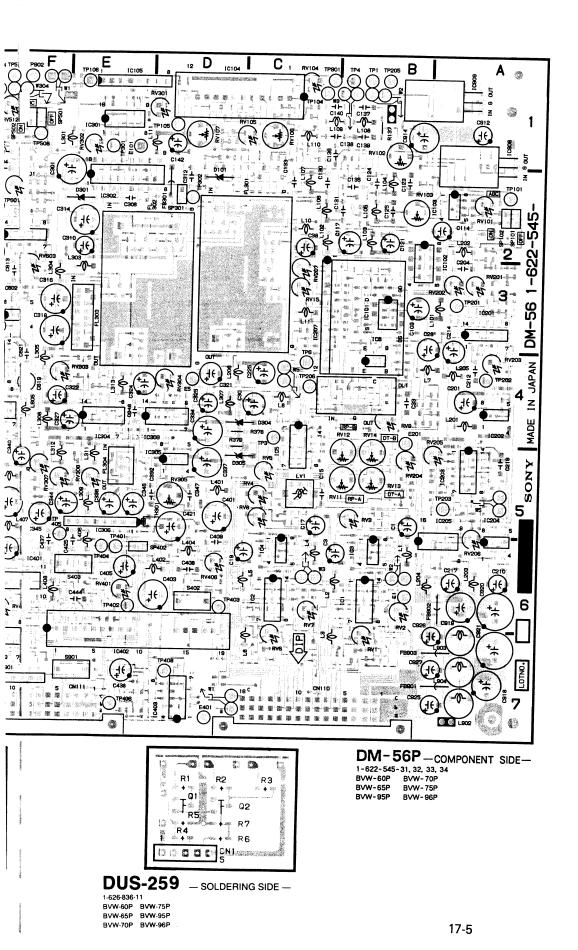


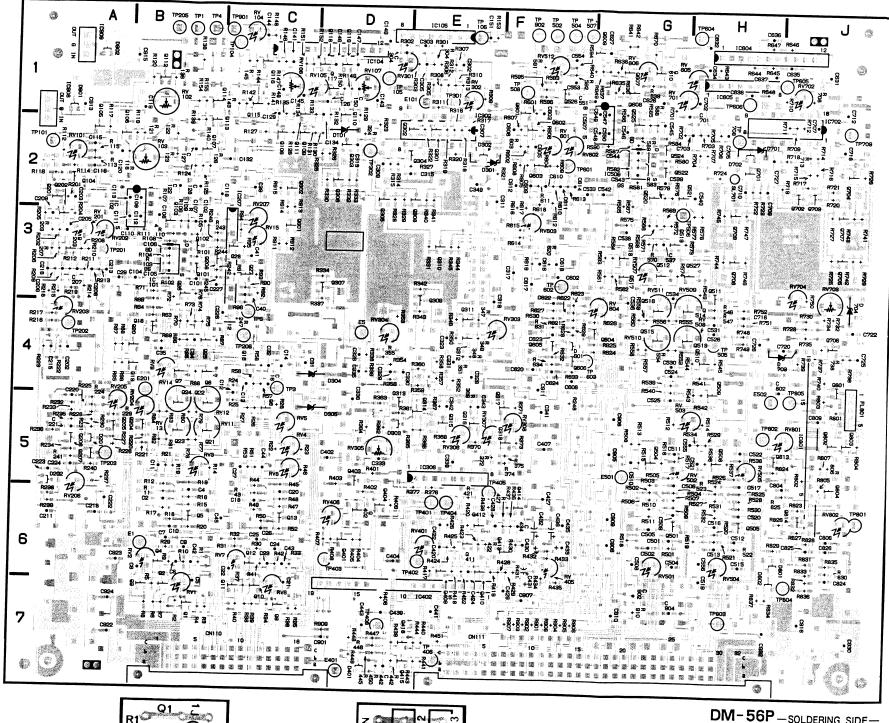
DUS-259 - COMPONENT SIDE -

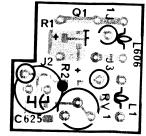
1-626-836-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

17-4

DUS-: 1-626-836-11 BVW-60P BV BVW-65P BV BVW-70P BV

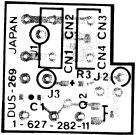






DUS-269 - COMPONENT SIDE -

1-627-282-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P



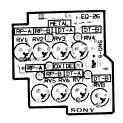
DUS-269 - SOLDERING SIDE -

1-627-282-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

DM-56P—SOLDERING SIDE—
1-622-545-31, 32, 33, 34
BWW-60P
BWW-65P
BWW-75P
BWW-95P
BWW-96P

DUS-288; DO RF EQUALIZER EQ-26; RF EQUALIZER EQ-28; RF EQUALIZER

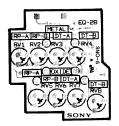
S/N 10192 and higher



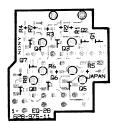
EQ-26—COMPONENT SIDE—
1-628-676-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



EQ-26—SOLDERING SIDE—
1-628-676-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



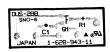
EQ-28—COMPONENT SIDE—
1-628-975-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



EQ-28—SOLDERING SIDE—
1-628-975-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



DUS-288—COMPONENT SIDE—
1-628-943-11
8VW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



DUS-288—SOLDERING SIDE—
1-628-943-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

Q681 Q800 Q801

RV100

RV101

RV102 RV200

RV201 RV202 RV203 RV400

RV401

RV500 RV501 RV502 RV503

S100 S101

\$200 \$400

SL200 SL201 SL202 SL203 SL204 SL205 SL505 SL506

TH201

B-1 B-2 B-4 A-3 A-1 B-2 B-2 B-2 B-2 A-3 E-4

E-4 G-3 E-3 B-2 D-2

B-2

G-1

G-2 F-3 L-3 H-6 K-5 D-2 D-6 A-2 D-5 E-3

J-1 H-1 D-1

J-3 H-3

B-3 B-3 B-3 B-5

TP502 TP503 TP504 TP505 TP506 TP507

C-4 B-3 B-3 C-3 C-5 C-3

TBC-7P (1-622-548-12)

REF.NO	TYPE			PIN.NO			
KEP.NO	TIFE	+ 12V	+90	+ 50	GND	-5V	-12V
IC 101 IC 102 IC 103 IC 105 IC 108 IC 201 IC 203 IC 205 IC 206 IC 207	SBX4002-01 TL431CLPB TL082CPS CXA1096M CXD1310M TA7357AP MB4002PF MB4002PF SN74LS221NS TL082CPS	2.11 * 8	* 13.17 21	*	4.13 * 13.14.15.18 7 5 1 1 8	*	* 4 4 4 4
IC 208 IC 209 IC 210 IC 211 IC 212 IC 213 IC 214 IC 215 IC 216 IC 217	SN74LS06NS MC10H116M MC10H125M CXD1045Q BX-1461 TL082CPS TL601CPS SN74LS221NS BX-1460 μ PC319G2	8 8 10 11		14 9 17.39 8 16	7 1.16 16 1.6.28 4.7	8 8	4 9
IC 218 IC 219 IC 220 IC 221 IC 222 IC 223 IC 223 IC 224 IC 225 IC 226 IC 231	TC74HC221F TCS74HC74F TL082CPS TL601CPS μ PC339G2 TC74HC32F TC74HC00F TL082CPS TL601CPS TC74HC08F	8 8 3 8		16 14 12 14 14	8 7 7 7 1 7		4 4 5
IC 232 IC 233 IC 401 IC 403 IC 404 IC 501 IC 502 IC 504 IC 505 IC 506	TL601CPS TL082C0S BX-1464 CXA1096M CXD1310M TC74HC00F TA7357AP TL082CPS SN74LS06NS MC10H125M	8 8 2.11 9 8	13.17 21	14 14 9	1 4.13 12.14.15.18 7 7 5 7 5		5 4 4
IC 507 IC 508 IC 509 IC 510 IC 511 IC 512 IC 513 IC 514 IC 516 IC 517	CXD1045Q BX-1461 TL082CPS TL601CPS BX-1460 SN74LS221NS MB4002PF TL601CPS TL082CPS TL082CPS	8 8 8 10 8 8 8		17.39 16	1.6.28 4.6 1 8 8 1		4 5 9 4 5 4
IC 519 IC 520 IC 610 IC 611 IC 650 IC 700 IC 701 IC 702 IC 720 IC 800	TC74HC86F TL601CPS TL431CLPB TL082CPS MB4002PF TL601CPS CX20158 CX7930A TC74HC08F TL601CPS	8 * 8 8 8	*	14 * 14 28 14	7 1 * 1 5.7.10 14 7 1	*	5 * 4 4 5
IC 801 IC 802 IC 803	CX20158 CX7930A SN74LS221NS			14 28 16	5.7.10 14 8	1	

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1		

IC219

IC220 IC221

IC222
IC223
IC224
IC225
IC226
IC228
IC231
IC232
IC233
IC234
IC401
IC403
IC504
IC505
IC506
IC507
IC508
IC509
IC511
IC512
IC513
IC514
IC517
IC517
IC517
IC519
IC519
IC510
IC610
IC610
IC610
IC610
IC610
IC610
IC610
IC610 H-2 J-5 K-5 L-4 L-4 J-6 K-5 K-4 K-5 F-1 D209 D210 D211 B-5 B-5 B-5 B-5 B-2 F-3 K-6 K-6 L-5 L-6 H-2 D504 D505 D506 D507 D508 D650 D680 D700 D703 D704 D705 D706 DL500 E101 E201 E202 E400 E401 E500 E501 E502 IC102 IC103 IC105 IC108 IC201 IC203 IC205 IC206 IC207 IC208 IC209 IC210 IC211 IC212 IC213 IC214 IC215 IC216 IC217

TBC-7P (1-622-548-12)

J-7 D-7

CN108

CN109

D100 D200 D202 D203 D204 D205

D206 D207 D208

H-4 J-3 H-6 J-6 K-6 J-3 L-3 J-2 K-2 E-6 H-6 K-6

KJ-7-7-6-5-7-6-6-6-2-4-4-1-6-4-4-3-2-6-5-6-5-2-1-3-5-6-5-4-4-3-1-2-5-6-1-1-5-6-1-5-6 IC701 IC702 IC720 IC800 IC801 B-5 C-6 LV201 LV500 L-4 B-5 Q100 Q101 F-4 F-1 F-1 J-6 H-1 H-2 J-1 L-2 K-2 L-7 L-4 L-4 L-4 E-2 E-1 Q102 Q103 Q104 Q105 Q106 9201 9203 Q204 9205 9206 9207 9208 Q210 Q211

SL507 SL508 SL509 SL511 TH202

L-3 A-2 D-5 TH501 TP100 F-2 H-2 G-3 H-5 J-5 J-6 TP101 TP102 TP200 TP201 TP202 TP203 TP204 TP205 TP206 TP207 TP208 TP400 TP401 TP401

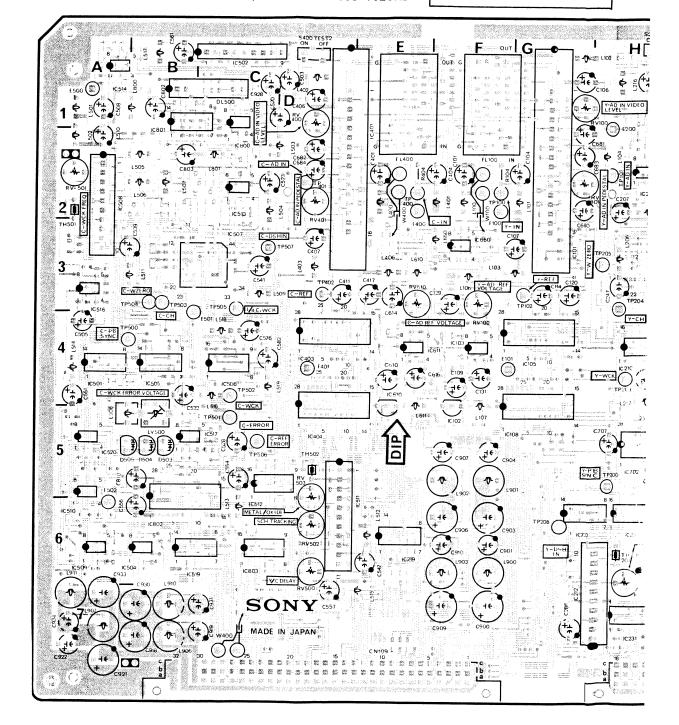
H-4 H-3 H-3 J-3 K-5 G-6 E-2 D-2 D-3 B-4 C-5 TP500

**SW-261**1-624-101-11
BVW-60P
BVW-65P
BVW-95P BVW-70P BVW-96F

TBC-7P; TIME BASE CORRECTOR

SW-261; METAL/OXIDE Y/C DELAY ADJUST VOLUME

S/N 10061 through 10191





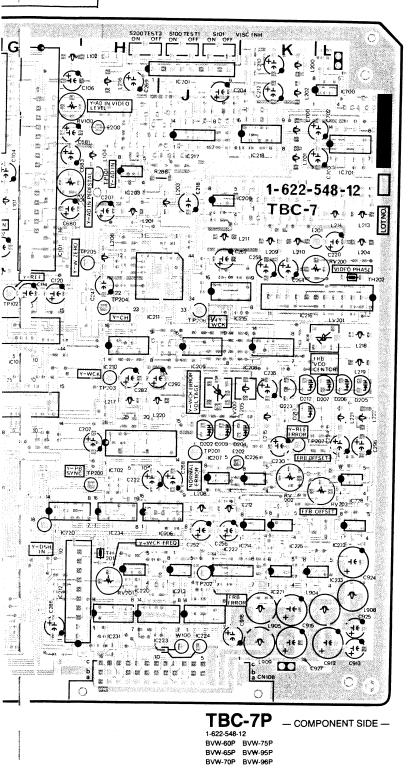
SW-261 - SOLDERING SIDE -

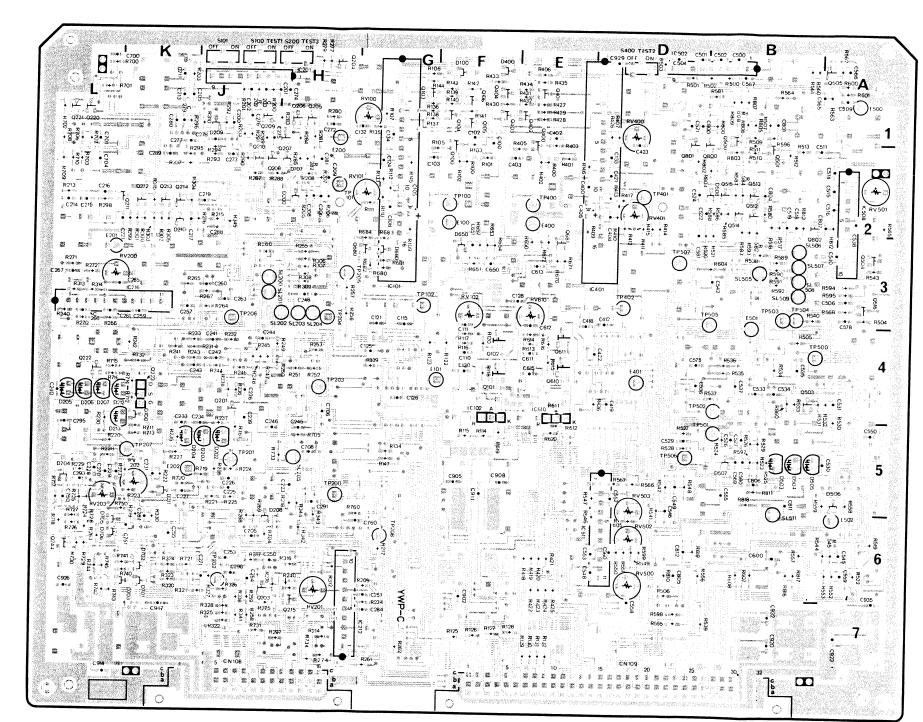
BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

\* REFER TO SCHEMATIC

- COMPONENT SIDE -







TBC-7P
1-622-548-12
BWW-60P BWW-75P
BWW-65P BWW-95P
BWW-70P BWW-96P

TBC-7P (	1-622-548-13)	,					
REF. NO.	TYPE	PIN. NO					
MDI . NO.	1110	+ 12V	+ 9V	+ 5 <b>V</b>	GND	-5 <b>V</b>	-12V
IC 101 IC 102 IC 103 IC 105 IC 108 IC 201 IC 203 IC 205 IC 206 IC 207	SBX4002-01 TL431CLPB TL082CPS CXA1096M CXD1310AM TA7357AP MB4002PF MB4002PF SN74LS221NS TL082CPS	2.11 * 8 * 8 8	*	* 3.25.26 21 16	4.13 * 13.14.15.18 7 5 1 1 8	* 13.17	5.14 * 4 4 4
IC 208 IC 209 IC 210 IC 211 IC 212 IC 213 IC 214 IC 215 IC 216 IC 217	SN74LS06NS MC10H116M MC10H125M CXD1045AQ BX-1461 TL082CPS TL601CPS SN74LS221NS BX-1460 μ PC319G2	8 8 8 10		9 17.39	7 1.16 16 1.6.28 4.7	8 8	4 5 9 6
IC 218 IC 219 IC 220 IC 221 IC 222 IC 223 IC 224 IC 225 IC 226 IC 231	TC74HC221F TCS74HC74F TL082CPS TL601CPS μPC339G2 TC74HC32F TC74HC30F TL082CPS TL601CPS TC74HC08F	883		16 14 14 14 14	8 7 1 12 7 7 7 1 7		4 5 4 5
IC 232 IC 235 IC 236 IC 237 IC 238 IC 239 IC 241 IC 401 IC 403 IC 404	TL601CPS TC74HC157F TC74HC157F TC74HC157F TL082CPS SN74LS123 TC74HC32F \$\tilde{P}\$ P33G SBX-4002-01 CXA1096M CXD1310AM	8 8 2.11	21	16 16 16 16 10.12 5	1 8 8 8 9.13 4 4.13 12.14.15.18		5 4 8 5.14
IC 507 IC 508 IC 509 IC 510	TC74HC00F TA7357AP TL082CPS SN74LS06NS MC10H125M CXD1045Q BX-1461 TL082CPS TL601CPS BX-1460	* 8 8 8 8		14 14 9 17.39	7 5 7 16 1.6.28 4.6		4 5 9
IC 513 IC 514 IC 516 IC 517 IC 519 IC 520 IC 610 IC 611	SN74LS221NS MB4002PF TL601CPS TL082CPS TL082CPS TC74HC86F TL601CPS TL431CLPB TL082CPS MB4002PF	8 8 8 8 *	*	16 14 *	8 1 1 7 1 *	*	4 5 4 4 5 * 4
IC 701 IC 702 IC 720 IC 800	TL601CPS CX20158 CX7930A TC74HC08F TL601CPS CX20158	8		12 28 14	5.7.10 14 7 1 5.7.10	1	5

\* REFER TO SCHEMATIC

TBC-7P (1-622-548-13) 9227 9228 9229 9230 9400 IC224
IC225
IC226
IC228
IC231
IC232
IC234
IC235
IC236
IC237
IC238
IC239
IC240
IC241
IC401
IC403
IC404
IC501
IC502
IC504
IC505
IC506
IC507
IC508
IC509
IC511
IC512
IC513
IC514
IC513 TP207 TP208 TP400 TP401 TP402 TP500 TP501 TP502 TP503 TP504 TP505 TP506 TP507 J-5 F-6 E-1 C-2 D-3 B-4 B-5 C-4 B-3 C-4 B-6 C-3 CN109 H-7 H-2 E-2 E-1 E-1 E-1 B-2 B-2 B-2 B-2 B-2 B-3 B-2 B-3 B-3 C-2 C-2 C-2 D100
D200
D202
D203
D204
D205
D206
D207
D208
D209
D210
D211
D212
D213
D214
D400
D503
D506
D507
D506
D507
D508
D680
D700
D704
D705
D706
D707 9401 9402 9403 9404 9500 9501 9503 9504 9512 9513 9514 9515 9610 9681 9680 9681 9800 9801 9802

RV100

RV101 RV102 RV103 RV200

RV201 RV202

RV203 RV204

RV400 RV401 RV402 RV500 RV501 RV502 RV503 RV610

S101 S200

SL200 SL201 SL202 SL203 SL204 SL205 SL505 SL506 SL507 SL508 SL509

TH201 TH202 TH501 TH502

TP100 TP101 TP102 TP200 TP201 TP202 TP203 TP204 TP205 TP206

IC519 IC520 IC521 IC522 IC610 IC611 IC650 IC700 IC701 IC702 IC720 IC800 IC801

LV200 LV201 LV500

H-5 J-4 B-5

E-4 F-1 F-1 E-1 E-1 H-5 G-6 G-1 G-2 J-3 J-2 H-3 G-7 J-1

J-1 J-4 J-4 H-6 H-6

DL500

E100 E101 E200 E201 E202 E400 E401 E500 E501 E502

FL100 FL400

IC101 IC102 IC103 IC106 IC201 IC203 IC205 IC206 IC206 IC207 IC210 IC211 IC212 IC213 IC214 IC215 IC216 IC217 IC218 IC219 IC211 IC218 IC209 IC211 IC212 IC213 IC214 IC215 IC216 IC217 IC218 IC200 IC220 IC220 IC220 IC222

B-1

F-1 F-4 H-2 H-5 J-4 D-1 C-3 A-1 B-4 A-6

F-1 F-2 E-4 F-4 J-3 F-7 J-5 H-2 D-1 D-2 C-4 D-6 C-6 E-4

H-1 H-1

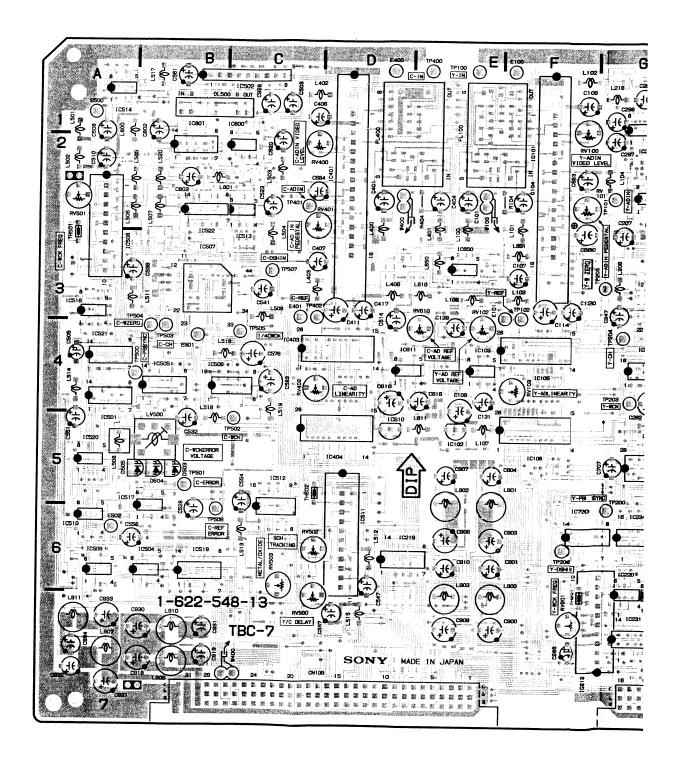
G-3 G-4 G-4 G-5 B-3 B-3 B-3

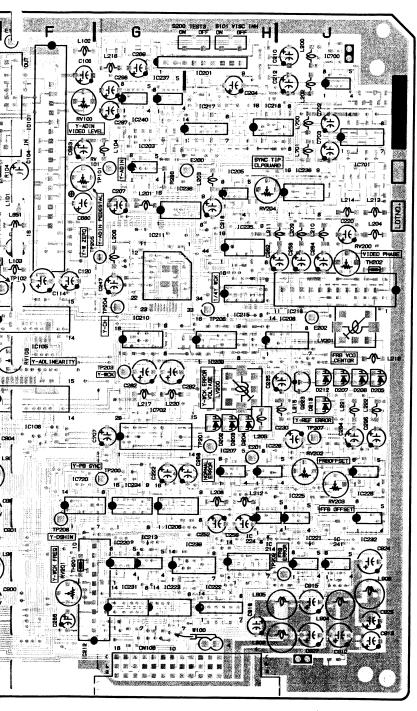
J-3 A-2 C-5

E-1 G-2 F-3 G-5 H-5 J-7 G-4 G-3 H-4

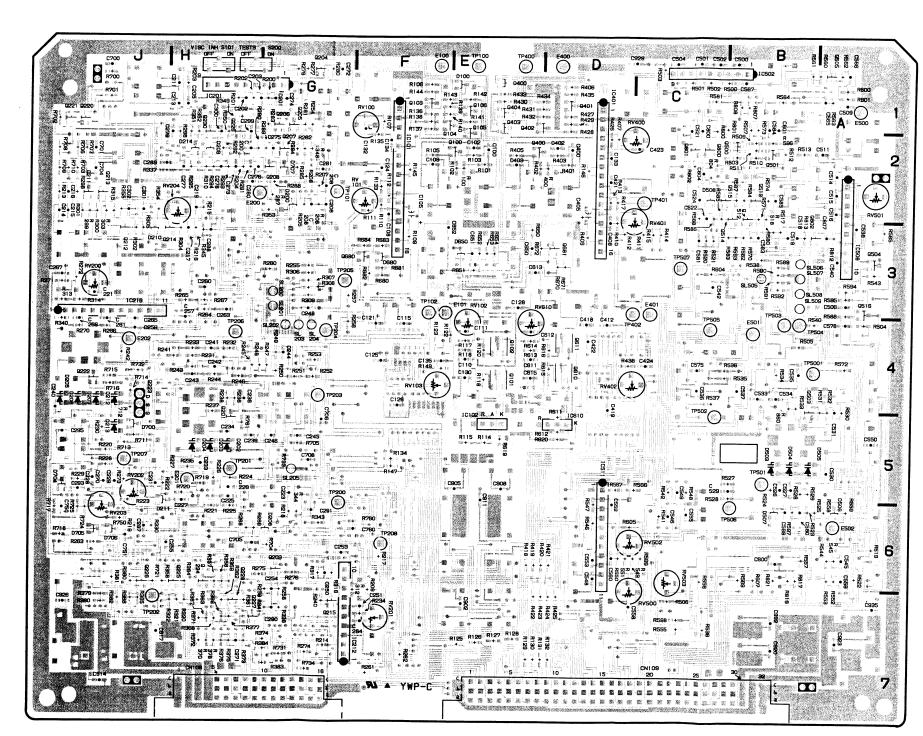
TBC-7P; TIME BASE CORRECTOR

S/N 10192 through 10769





TBC-7P — COMPONENT SIDE —
1-622-548-13
BWW-60P BWW-75P
BWW-65P BWW-95P
BWW-70P BWW-96P



TBC-7P
1-622-548-13
BWW-60P BWW-75P
BWW-70P BWW-96P
- SOLDERING SIDE —

TBC-7D (1-622-548-14,15)

TL431CLPB

8

TL082CPS IC 650 | MB4002PF IC 700 TL601CPS

IC 701 CX20158 IC 702 CX7930A IC 720 TC74IIC08F

IC 801 | CX20158

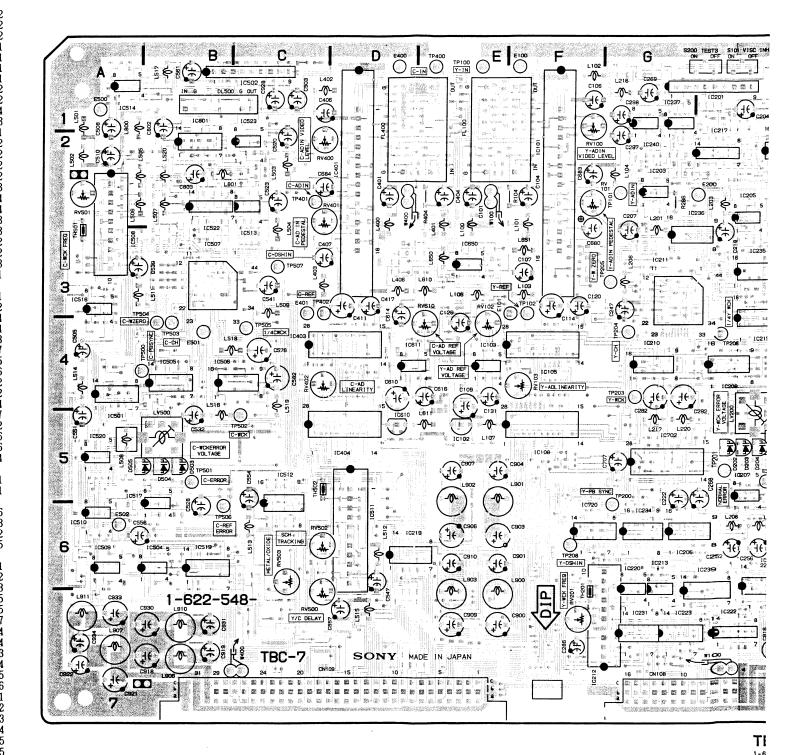
IC 611

PIN.NO REF. NO. TYPE + 12V +91 + 5V GND -5V-12**V** SBX4002-01 2.11 4.13 5.14 IC 101 TL431CLPB TL082CPS 13.14.15.18 13.17 3.25.26 CXA1096M IC 108 CXD1310AM TA7357AP IC 201 IC 203 MB4002PF IC 205 MB4002PF IC 206 | SN74LS221NS 16 4 IC 207 TL082CPS IC 208 SN74LS06NS 1.16 IC 209 MC10H116M 16 1.6.28 IC 210 MC10H125M IC 211 | CXD1045AQ 17.39 IC 212 BX-1461 IC 213 | TL082CPS IC 214 | TL601CPS 16 IC 215 | SN74LS221NS 8 3.8 IC 216 BX-1460 IC 217 | µPC319G2 TC74HC221F IC 219 TCS74HC74F IC 220 TL082CPS IC 221 TL601CPS 3 12 IC 222 IC 223 IC 224 μPC339G2 TC74HC32F TC74HC00F IC 225 TL082CPS IC 226 TL601CPS TC74HC08F 14 IC 231 5 TL601CPS TC74HC157F TC74HC157F IC 235 IC 236 IC 237 TL082CPS IC 238 SN74LS123 IC 239 TC74HC32F 9.13 10.12 IC 241 u PC393G 5.14 SBX-4002-01 2.11 IC 401 IC 403 | CXA1096M 13.17 12.14.15.18 21 IC 404 | CXD1310AM IC 501 TC74HC00F 5 IC 502 TA7357AP 4 IC 504 | TL082CPS SN74LS06NS MC10H125M IC 506 1.6.28 17.39 IC 507 CXD1045Q BX-1461 IC 508 4 5 9 TL082CPS IC 509 IC 510 TL601CPS IC 511 BX-1460 16 IC 512 SN74LS221NS IC 513 IC 514 . **4** 5 MB4002PF TL601CPS TL082CPS TL082CPS 14 IC 519 | TC74HC86F IC 520 | IC 610 | TL601CPS

TBC-7D	(1-622-548		_		
CN108 CN109	H-7 D-7	1C225 1C226 1C228	J-6 H-5 J-5	9229 9230 9400	II-2 H-2 E-2
D100	E-1	IC231	G-7	9401	D-1
D200 D202	G-2 H-5	1C232 1C234	J-6 G-6	9402 9403	E-1 E-1
D203	H-5	IC235	H-3	Q404	E-1
D204 D205	H-5 J-4	1C236 1C237	G-3 G-1	9500 9501	B-2 B-2
D206	J-4	IC238	J-2 H-6	9503 9504	B-4 A-3
D207 D208	J-4 G-6	IC239 IC240	п-6 G-1	Q505	A-1
D209	H-2	IC241	J-6 D-2	9512 9513	B-2 B-2
D210 D211	J-3 J-6	1C401 1C403	D-2 D-4	9514	B-2
D212	J-4 J-5	IC404 IC501	D-5 A-4	9515 9516	B-2 A-3
D213 D214	J-3 H-2	IC502	C-1	Q610	D-4
D400 D503	E-1 B-5	IC504 IC505	B-6 B-4	9611 9680	D-4 G-3
D504	B-5	1C506	C-4	Q681	D-3
D505 D506	A-5 A-6	1C507 1C508	B-3 A-2	9800 9801	C-2 C-2
D507	B-6	IC509	A-6	Q802	B-3
D508 D650	C-2 E-3	1C510 1C511	A-6 D-6	<b>Q803</b>	C-1
D680	F-3	IC512	C-5	RV100	F-1
D700 D704	J-5 J-5	IC513 IC514	C-2 A-1	RV101 RV102	F-2 E-4
D705	J-6	IC516	A-3	RV103 RV200	F-4 J-3
D706 D707	J-6 G-2	IC517 IC519	B-6 B-6	RV200	F-7
DI EOO	B-1	1C520 1C522	A-5 B-2	RV202 RV203	J-5 J-6
DL500	D-1	1C523	C-2	RV400	C-2
E100 E101	F-1 F-3	IC610 IC611	D-5 D-4	RV401 RV402	C-2 C-4
E200	H-2	IC650	E-3	RV500	C-7
E201 E202	H-5 J-4	1C700 1C701	J-1 J-2	RV501 RV502	A-2 C-6
E400	D-1	IC702	G-5	RV503 RV610	C-6 E-4
E401 E500	C-3 A-1	1C720 1C801	F-6 B-2		
E501	A-4 A-6	LV200	H-5	S101 S200	H-1 H-1
E502	H-0	LV201	J-4		
FL100 FL400	E-1 D-1	LV500	B-5	TH201 TH202	F-6 J-3
		0100	F-2	TH501	A-2
IC101 IC102	F-2 E-5	Q101 Q102	E-4 E-4	TH502	C-5
IC103	E-4	Q103	F-1	TP100 TP101	E-1 G-2
IC105 IC108	F-4 F-5	Q104 Q105	F-1 E-1	TP102	F-3
IC201 IC203	H-1 G-2	Q106 Q201	E-1 H-5	TP200 TP201	G-5 H-5
1C205	H-2	<b>Q203</b>	G-6	TP202	J-7
1C206 1C207	G-6 H-5	9204 9205	G-1 G-1	TP203 TP204	G-4 G-4
IC208	J-4	9206	G-1	TP205	G-3
IC209 IC210	H-4 G-4	Q207 Q208	G-2 G-2	TP206 TP207	H-4 J-5
IC211	G-3	9211	J-2 J-3	TP208 TP400	F-6 E-1
IC212 IC213	G-7 G-6	Q212 Q213	J-2	TP401	C-2
IC214	J-6	9214	H-3	TP402 TP500	C-3
IC215 IC216	H-3 J-3	9215 9220	G-7 J-1	TP501	B-5
IC217	H-2 H-2	Q221 Q222	J-1 J-4	TP502 TP503	C-5 B-4
IC218 IC219	D-6	9223	J-4	TP504	B-4
IC220 IC221	G-6 J-6	9224 9225	H-6 H-6	TP505 TP506	C-4 B-6
IC222	H-7	9226	J-6	TP507	C-3
1C223 1C224	G-7 H-6	9227 9228	H-7 H-7		
10004	0	4 <i>LL</i> 0	•		

TBC-7D; TIME BASE CORRECTOR

S/N 10770 and higher

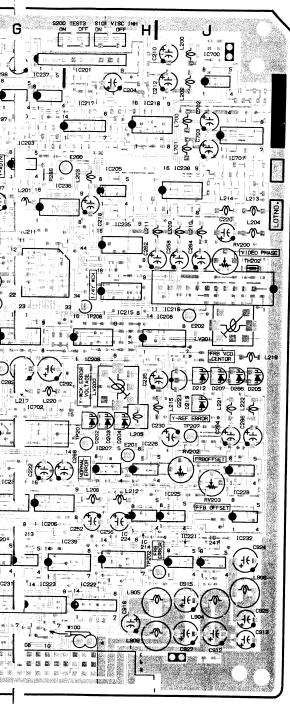


\* REFER TO SCHEMATIC

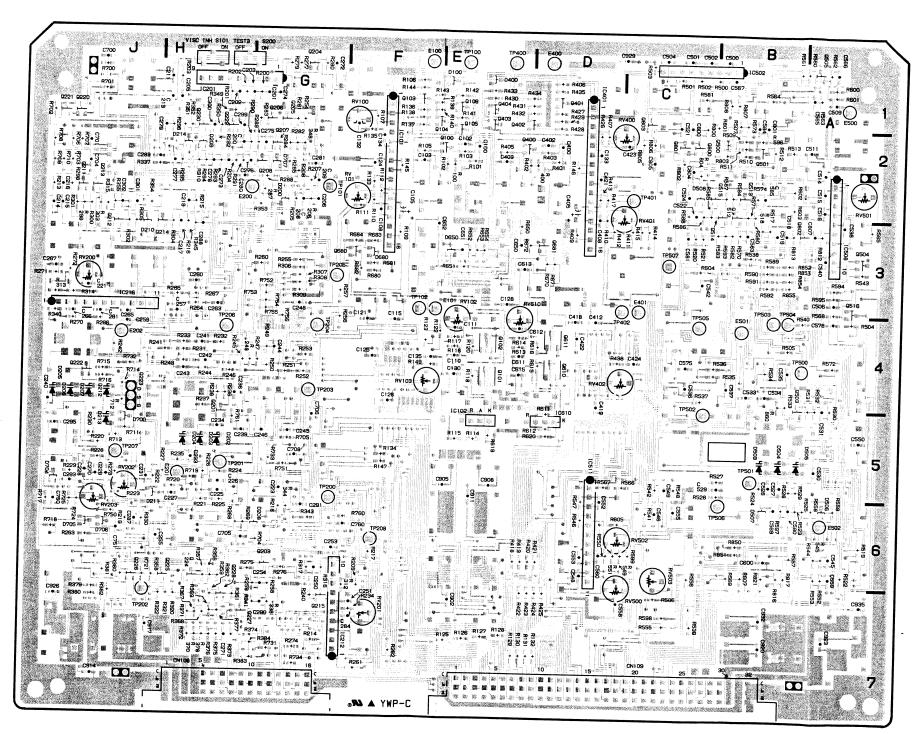
5.7.10

5.7.10

28 14 14



TBC-7D—COMPONENT SIDE—
1-622-548-14,15
8VW-60P 8VW-70P
8VW-65P 8VW-75P
8VW-95P 8VW-96P



TBC-7D—SOLDERING SIDE—
1-622-548-14,15
8VW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P

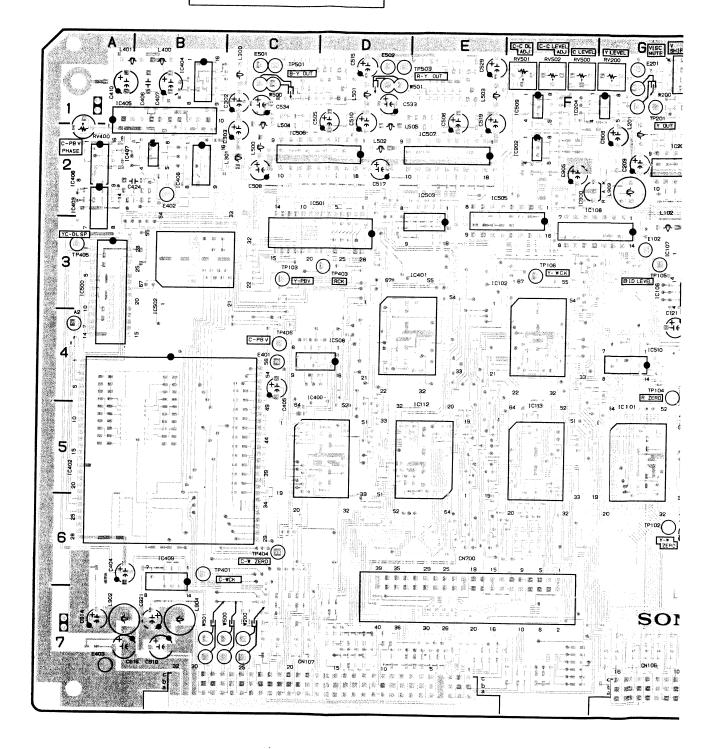
TBC-8P (1-622-549-14)

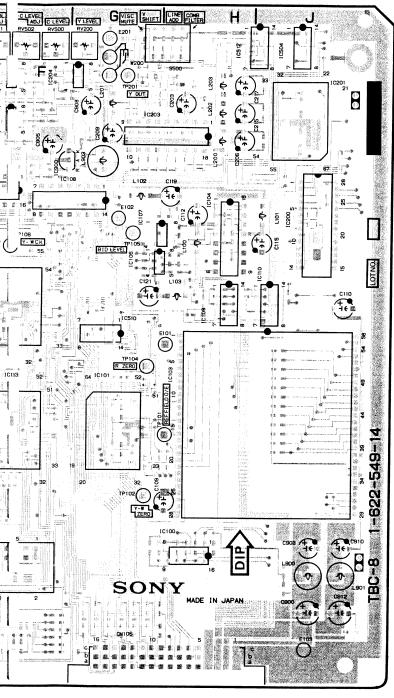
REF.NO	TYPE		PIN	. NO		
KEF. NO	111.6	+ 12V	+ 5 <b>v</b>	GND	-5 <b>v</b>	-12V
IC 100 IC 101 IC 102 IC 103 IC 104 IC 106 IC 107 IC 108 IC 109 IC 110	MC10H125M CXD1022CQ CXD1023AQ SBX4001-01 TD62901P NJM4560M TL601CPS 74F04PC TC74HC04F	13 8 8	9 26.58 27.61 28.51	16 10.42 1.11.44 17.35	8	3 4 5
IC 112 IC 113 IC 114 IC 200 IC 201 IC 202 IC 203 IC 204 IC 400 IC 401 IC 405 IC 405 IC 406 IC 407 IC 408	CXD1309BQ CXD1326AQ SN74LS157NS CXK1202S CXD1131Q NJM4560M MB40778P NJM4560M CXD1022CQ CXD1023AQ SBX4001-01 TC74HC86F TC74HC221F BX1461 TC4053BF TL082CPS SN74LS221NS	8 8 8	26.58 26.58 16 28 27.61 2.5.7.8 26.58 27.61 28.51 14 16	10.42 10.42 8 14 1.11.44 1.9 10.42 1.11.44 17.35 7 8	3 7	4 4
IC 408 IC 409 IC 500 IC 501	TC74HC04F CXK1202S CXK1202S		16 14 28 28 27.61	8 7 14 14	8	
IC 503 IC 504 IC 505 IC 506 IC 507 IC 508	MC10H125M TC74HC00F MC10198L MB40778P MB40778P SN74LS221NS		9 14 2.5.7.8 2.5.7.8 16	16 7 1.16 1.9 1.9	8 8	
IC 509 IC 510 IC 512	NJM4560M TC74HC08F TC74HC27F	8	14 14	7 7		4
IC 900	TL431CLPB	*	*	*	*	*

TBC-8P	(1-622-549-14)
CN106	G-7
CN107	C-7

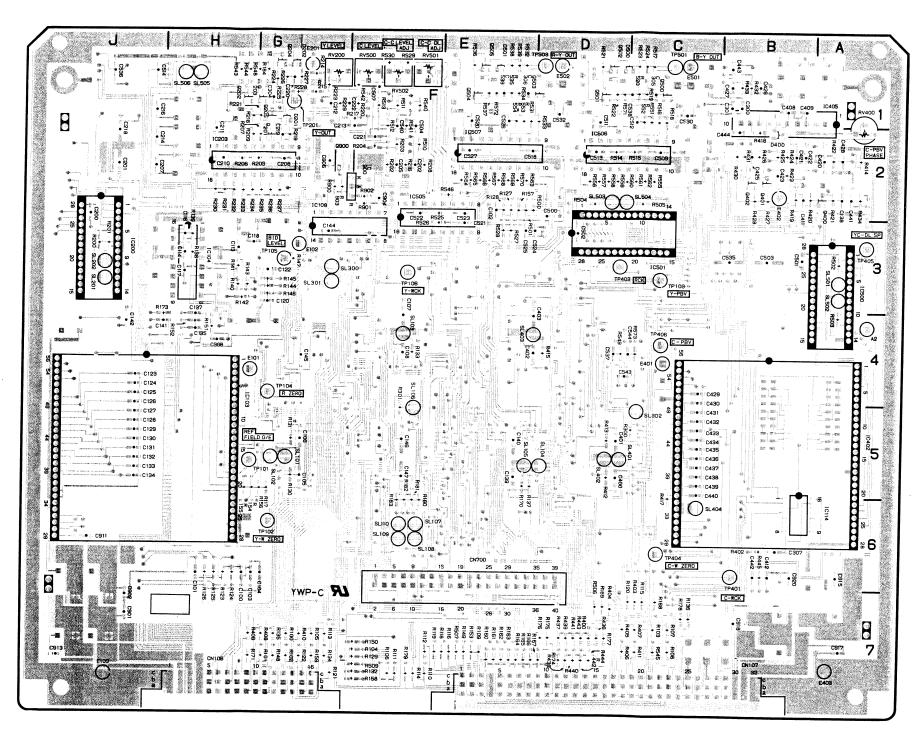
TBC-8P	(1-622-549-14)			
CN106	G-7	IC500	A-3	
CN107	č-7	IC501	Ü-3	
CN700	Ĕ-7	IC502	B-3	
000	٠.	IC503	E-3	
D201	G-1	IC504	J-1	
D202	Ğ-Î	IC505	E-3	
D400	B-2	IC506	C-2	
D500	D-1	IC507	E-2	
D501	Ē-1	IC508	D-4	
		IC509	F-1	
E101	H-4	IC510	G-4	
E102	G-3	IC512	J-1	
E103	J-7	IC900	F-2	
E201	G-1			
E401	C-4	Q201	G-2	
E402	B-2	Q202	H-1	
E403	A-7	Q203	G-1	
E501	C-1	Q204	G-1	
E502	D-1	<b>Q205</b>	G-1	
		Q400	A-2	
IC100	H-6	9401	B-2	
IC101	G-5	9402	B-2	
IC102	F-4	Q500	C-1	
IC103	J-5	<b>Q501</b>	D-1	
IC104	H-3	<b>Q502</b>	D-1	
IC106	G-3	<b>Q503</b>	D-1	
IC107	G-3	Q504	E-1	
IC108	F-3	Q505	E-1	
IC109	H-4	Q900	G-2	
IC110	J-4			
IC112	E-5	RV200	G-1	
IC113	F-5	RV400	A-1	
IC114	B-6	RV500	F-1	
IC200 IC201	J-3	RV501	F-1	
IC201	J-2 F-2	RV502	F-1	
IC202	r-2 G-2	S500	0 1	
IC203	G-1	2000	H-1	
IC400	D-5	SL101	G-5	
IC400	D-4	SL101 SL102	G-5	
IC402	B-5	SL102 SL103	G-3 F-4	
IC403	A-2	SL103	D-5	
IC404	B-1	SL104 SL105	E-5	
IC405	B-1	SL105	F-5	
IC406	A-2	SL100	F-6	
IC407	B-2	SL108	F-6	
IC408	B-2	SL109	F-6	
IC409	B-6	SL110	F-6	

SL201 SL202 SL300 SL301 SL301 SL402 SL403 SL404 SL501 SL502 SL503 SL504 SL505 SL505 SL506 J-3 J-3 G-3 G-3 C-5 D-5 E-4 C-6 A-3 D-2 D-2 H-1 H-1 TP101 TP102 TP103 TP104 TP105 TP106 TP201 TP401 TP403 TP404 TP405 TP406 TP501 TP503 H-5 G-6 C-3 G-4 G-3 F-3 G-1 B-6 D-3 C-6 A-3 C-4 C-1





TBC-8P — COMPONENT SIDE —
1-622-549-14
BWW-60P BWW-75P
BWW-65P BWW-95P
BWW-70P BWW-96P



TBC-8P - SOLDERING SIDE 
1-622-549-14
BWW-60P BWW-75P
BWW-65P BWW-95P
BWW-70P BWW-96P

### TBC-8P; TIME BASE CORRECTOR

S/N 10417 through 10769

#### TBC-8P (1-622-549-15)

DES NO	TUDE		PIN.	NO		
REF. NO.	TYPE	+12V	+5 <b>V</b>	GND	-5V	-12V
IC 100 IC 101 IC 102 IC 103 IC 104 IC 106 IC 107 IC 108 IC 109 IC 110	MC10H125M CXD1022CQ CXD1023AQ SBX4001-01 TD62901P NJM4560M TL601CPS 74F04PC TC74HC04F TC74HC04F	13 8 8	9 26.58 27.61 28.51 14 14 14	16 10.42 1.11.44 17.35	8	3 4 5
IC 112 IC 113 IC 114 IC 200 IC 201 IC 202 IC 203 IC 204 IC 400 IC 401	CXD1309BQ CXD1326AQ SN74LS157NS CXK1202S CXD1131Q NJM4560M MB40778P NJM4560M CXD1022CQ CXD1023AQ	8	26.58 26.58 16 28 27.61 2.5.7.8 26.58 27.61	10.42 10.42 8 14 1.11.44 1.9 10.42 1.11.44		4
IC 402 IC 403 IC 404 IC 405 IC 406 IC 407 IC 409 IC 500 IC 501	SBX4001-01 TC74HC86F TC74HC221F BX1461 TC4053BF TL082CPS SN74LS221NS TC74HC04F CXK1202S CXK1202S	8	28.51 14 16 16 16 16 14 28 28	17.35 7 8 8 8 7 14 14	3 7	4
IC 502 IC 503 IC 504 IC 505 IC 506 IC 507 IC 508 IC 509 IC 510 IC 512	CXD1131Q MC10H125M TC74HCOOF MC10198L MB40778P MB40778P SN74LS221NS NJM4560M TC74HCOSF TC74HCOSF	8	27.61 9 14 2.5.7.8 2.5.7.8 16 14 14	1.11.44 16 7 1.16 1.9 1.9 8	8 8	4
IC 900 IC 601 IC 602 IC 603	TL431CLPB TC74HC74F TC74HC221F SN74LS157NS	*	* 14 16 16	* 7 8 8	*	*

	8		
*	REFER	TO S0	CHEMATIC

IC100 IC101 IC102 IC103 IC104 IC106 IC107 IC108 IC109 IC110 IC112 IC113 IC114 IC200 IC201 IC202 IC203 IC203 IC204 IC400 IC401 IC402 IC403 IC404 IC405

RV200 RV400 RV500 RV501 RV502

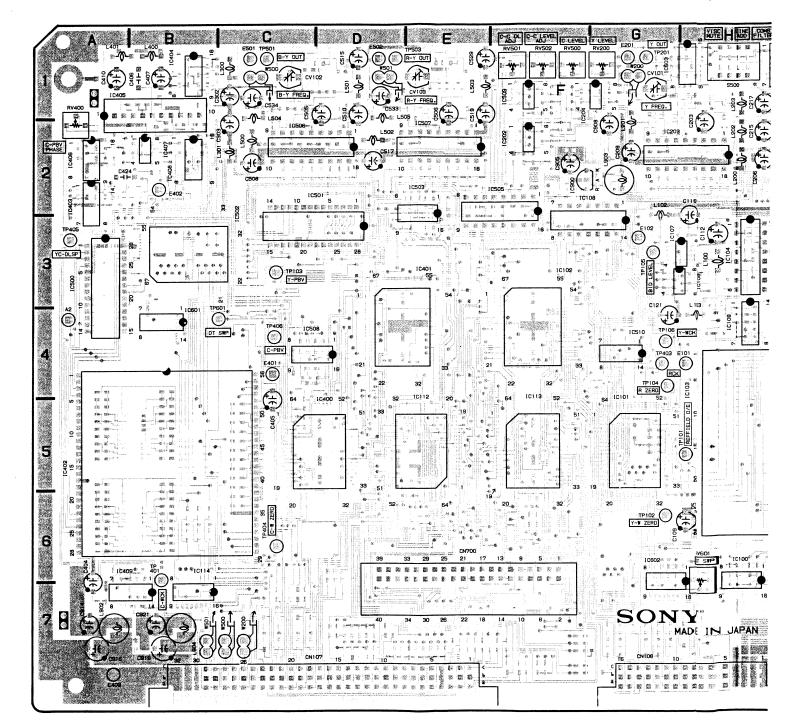
RV601 S500

TP101 TP102

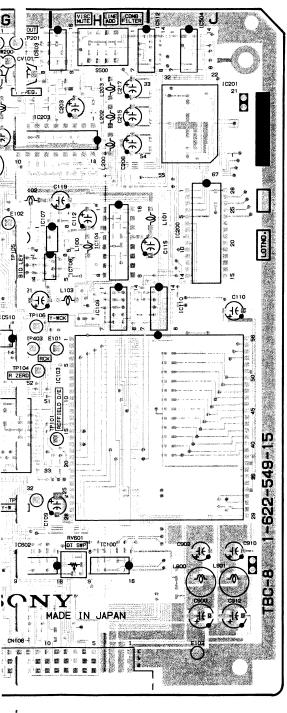
G-1 A-1 F-1 F-1 F-1 H-6

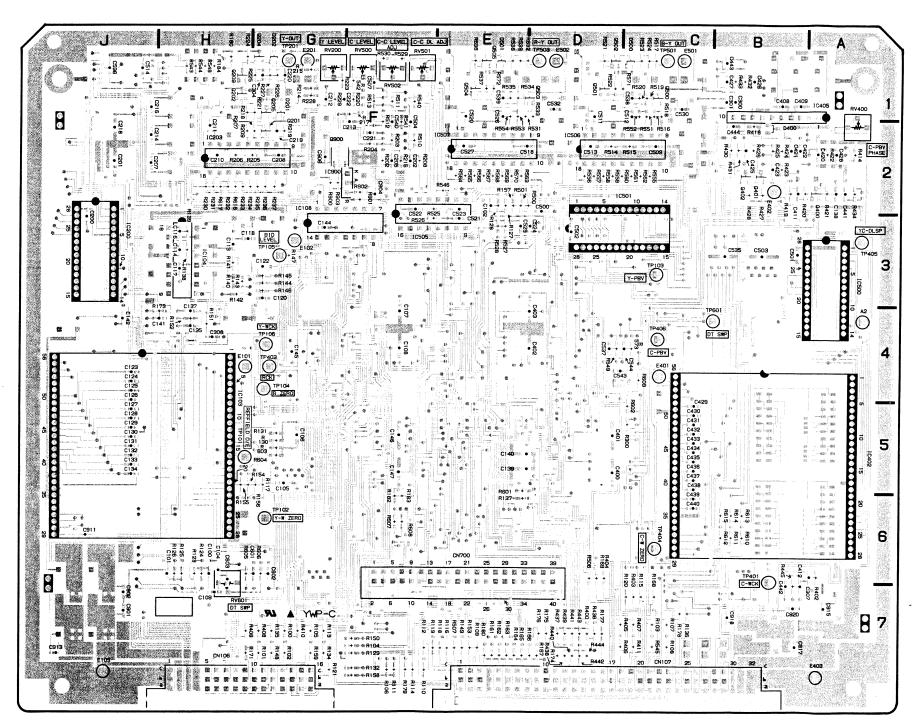
H-1

TBC-8P	(1-622-549-15)				
CN106	G-7	IC406	A-2	TP103	C-
CN107	C-7	IC407	B-2	TP104	G-
CN700	Ē-7	IC408	B-2	TP105	G-
5.1.100		IC409	Ā-7	TP106	G-
CV101	G-1	IC500	A-3	TP201	G-
CV102	C-1	IC501	C-3	TP401	B-
CV103	Ĕ-1	IC502	B-3	TP403	G-
0.100		IC503	E-3	TP404	Č-
D201	G-1	IC504	J-1	TP405	Ā-
D202	G-1	IC505	F-2	TP406	C-
D400	B-2	IC506	C-2	TP501	C-
D500	C-1	IC507	E-2	TP503	D-
D501	E-1	IC508	D-4	TP601	B-
	- <del>-</del>	IC509	F-1		
E101	H-4	IC510	G-4		
E102	G-3	IC512	J-1		
E103	J-7	IC601	B-4		
E201	G-1	IC602	G-6		
E401	C-4	IC603	H-1		
E402	B-2	IC900	F-2		
E403	A-7				
E501	C-1	9201	G-2		
E502	D-1	9202	H-1		
	- <del>-</del>	0203	G-1		
IC100	H-6	0204	G-1		
IC101	G-5	9205	G-1		
IC102	F-4	9400	A-2		
IC103	J-5	Q401	B-2		
IC104	H-3	9402	B-2		
IC106	G-3	<b>9500</b>	C-1		
IC107	G-3	<b>Q501</b>	D-1		
IC108	F-3	0502	D-1		
IC109	H-4	<b>Q503</b>	D-1		
IC110	J-4	9504	E-1		
IC112	E-5	9505	E-1		
IC113	F-5	Q900	G-2		



TBC-{
1-622-549-15
8VW-60P BVV
8VW-65P BVV
8VW-70P BVV





**TBC-8P** - SOLDERING SIDE 
1-622-549-15
BVW-60P BVW-75P
BVW-95P BVW-96P
BVW-96P

TBC-12P (1-629-462-11,12,13)

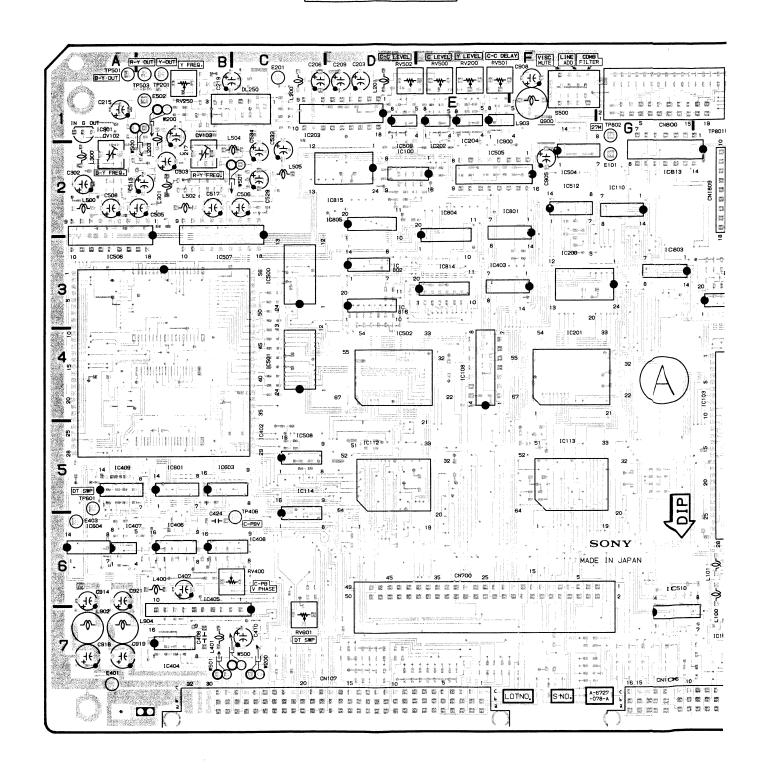
1BC-12F											
REF.NO.	TYPE		PIN	, NO							
REI .NO.	IIIC	+12V	+5V	GND	-5V	-12V					
IC 100 IC 101 IC 102 IC 103 IC 104 IC 106 IC 107 IC 108 IC 109 IC 110	MC10H125M CXD8011Q CXD1023AQ S8X4001-01 TD62901P RC4560M TL601CPS 74F04PC TC74HC04F	13 8 8	9 26.58 27.61 28.51	16 10.42 1.11.44 17.35	8	3 4 5					
IC 112 IC 113 IC 114 IC 200 IC 201 IC 202 IC 203 IC 204 IC 400 IC 401	CXD8024Q CXD1326AQ SN74LS157NS µPD41101G-1 CXD1131Q RC4560M MB40778P RC4560M CXD8011Q CXD1023AQ	8	26.58 26.58 16 18 27.61 2.5.7.8 26.58 27.61	10.42 10.42 8 7 1.11.44 1.9 10.42 1.11.44		4					
IC 402 IC 403 IC 404 IC 405 IC 406 IC 407 IC 408 IC 409 IC 500 IC 501	SBX4001-01 TC74HC36F TC74HC221F BX1461 TC4053BF TL082CPS SN74LS221NS TC74HC04F µPD41101G-1 µPD41101G-1	8	28.51 14 16 16 16 14 18 18	17.35 7 8 8 8 7 7 7	3 7	4					
IC 502 IC 504 IC 505 IC 506 IC 507 IC 508 IC 509 IC 510 IC 512 IC 601	CXD11310 TC74HCOOF MC10198L MB40778P MB40778P MB40778P SN74LS221NS RC4560H TC74HCO8F SN74HC32NS TC74HC74F	8	27.61 14 2.5.7.8 2.5.7.8 16 14 14	1.11.44 7 1.16 1.9 1.9 8 7 7	8	4					
IC 603 IC 604 IC 801 IC 802 IC 803 IC 804 IC 805 IC 806 IC 807 IC 808	μPD41101G-1 SN74HC540NS		16 9.14 14 14 14 20 20 20 18 20 81.82.85.86	8 7 7 7 7 10 10 7 10 83.84.87.88							
IC 809 IC 810 IC 811 IC 812 IC 813 IC 814 IC 815 IC 816 IC 900 IC 901	MC10H124M MC10H124M MC10H124M 74F04PC SN74HC574NS µPD41101G-1 SN74HC574NS TL431CLPC	*	18 9 9 9 14 20 18 20 *	9 16 16 16 1 10 7 10 *	8 8 8 * *	*					

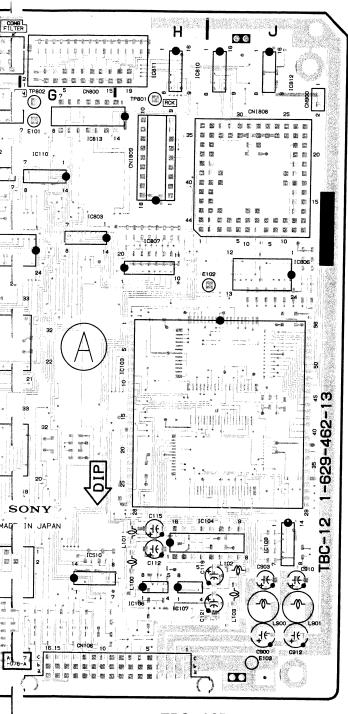
\* REFER TO SCHEMATIC

TBC-12P	(1-629-462-11	, 12, 13)	
CN1808 CN1809	J-2 H-2	IC601 IC603 IC604	B-5 B-5 A-6
CN106 CN107 CN700 CN800 CN900	H-7 C-7 E-6 G-1 J-1	IC801 IC802 IC803 IC804 IC805	E-2 D-1 G-3 E-2 D-2
CV102 CV103	A-2 B-2	IC806 IC807 IC808	J-3 H-3 J-2 H-2
D202 D400 D500 D501 D801 D802 D803 D900	B-1 B-7 B-2 C-2 G-6 G-6 F-5 A-1	IC809 IC810 IC811 IC812 IC813 IC814 IC815 IC816 IC900 IC901	J-1 H-1 J-1 G-2 E-3 D-2 D-3 E-1 A-1
DL250	C-1	<b>Q201</b>	C-1
E101 E102 E103 E201 E401 E403 E502	G-2 J-3 J-7 C-1 A-7 A-6 B-1	Q202 Q203 Q204 Q250 Q251 Q400 Q401 Q402	B-1 B-1 C-1 C-1 B-6 B-6 B-6
IC100 IC101 IC102 IC103 IC104 IC106 IC107 IC108 IC109 IC110	D-2 J-4 J-55 J-6 H-7 E-4 J-6 G-2	Q500 Q501 Q502 Q503 Q504 Q505 Q801 Q802 Q803 Q900	A-2 A-2 B-2 B-2 B-2 F-7 F-2 F-3 F-1
IC112 IC113 IC114 IC200 IC201 IC202 IC203 IC204	D-5 F-5 C-6 F-3 F-4 B-1 D-1 E-1	RV200 RV250 RV400 RV500 RV501 RV502 RV601	E-1 B-1 C-6 E-1 E-1 D-1 C-7
IC400 IC401 IC402	B-3 B-4 B-4	S500	F-1
IC403 IC404 IC405 IC406 IC406 IC407 IC500 IC501 IC501 IC504 IC505 IC506 IC507 IC508 IC509 IC510 IC512	B-43 B-7 B-66 B-65 B-53 C-44 D-22 B-22 B-22 D-17 F-2	TP201 TP406 TP501 TP503 TP601 TP801 TP802	B-1 C-6 A-1 B-1 A-5 H-1 G-1

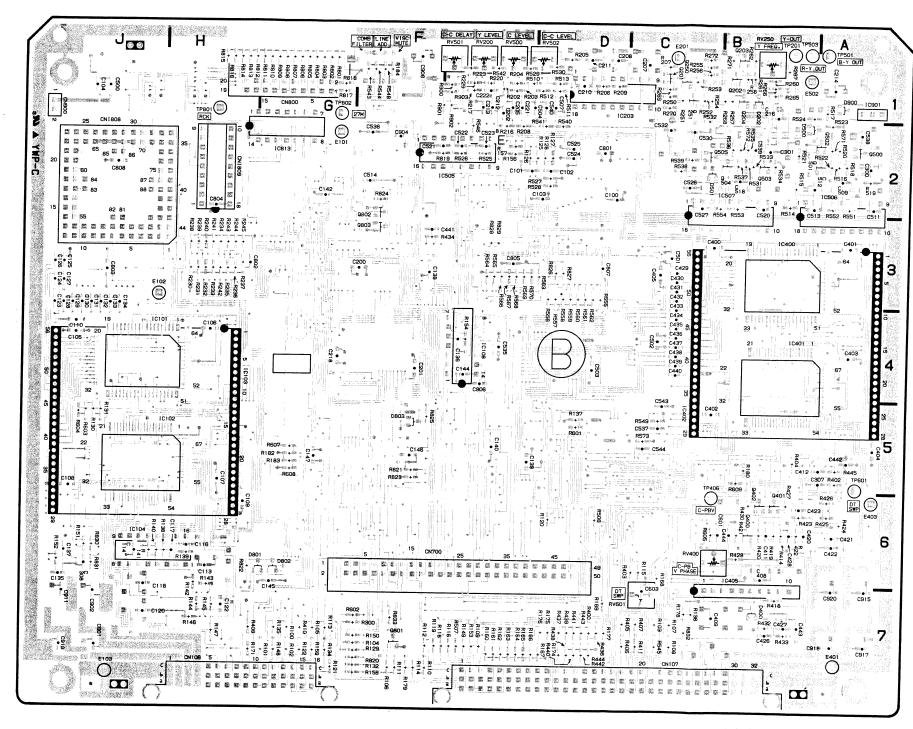
TBC-12P; TIME BASE CORRECTOR

S/N 10770 and higher





TBC-12P—COMPONENT SIDE—
1-629-462-11,12,13
BWW-60P BVW-70P
BWW-65P BWW-75P
BWW-95P BWW-96P



TBC-12P—SOLDERING SIDE—
1-629-462-11,12,13
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P

TBC-9P; TIME BASE CORRECTOR NR-25; Y DIGITAL NOISE REDUCTION

TBC-9P (1-622-550-13)

DDC NO	mune.			PIN.NO		
REF.NO.	TYPE	+12V	+5 <b>V</b>	GND	<b>−5V</b>	-12V
IC 1 IC 2 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC 10 IC 11	TC74HC00F CX20061 CX7998 TC4053BF CX7930A TC74HC221F TC74HC74F TC74HC221F CX7930A TC74HC86F	1	14 2 16 28 16 14 16 28 14	7 16 7.8 14 8 7 8 14 7		
IC 12 IC 13 IC 14 IC 16 IC 17 IC 18 IC 19 IC 20 IC 21 IC 22	TL082CPS SN74LS123NS NJM1496M TC74HC32F µPC393G2 TL082CPS TC74HC123F TL431CLPB CX7998 CXD1024Q	8 16 *	16 14 2 * 2 27.61	8 7 3 8 * 16 1.11.44	*	4 8 4 *
IC 23 IC 24 IC 25 IC 26 IC 27 IC 28 IC 29 IC 30 IC 31 IC 32	CX7930A CX20162 74F74PC TC74HC08F TC74HC74F TC74HC04F TC74HC244F SX74L5164NS MC10H124M TC74HC244F		28 28 14 14 14 14 20 14 9 20	14 14 7 7 7 7 7 10 7 16	8	
IC 33 IC 34 IC 35 IC 36 IC 37 IC 38 IC 40 IC 41 IC 42	TC74HC123F SN74LS11NS TC74HC86F SN74LS164NS TLA31CLPB TC74HC74F TC74HC74F SN74LS221NS SN74LS221NS	*	16 14 14 14 14 14 16 16	8 7 7 7 * 7 7 8	*	*
IC 200 IC 201 IC 202 IC 203 IC 204	MB4002PF TL082CPS TL061CPS µPC319G2 TC74HC221F	8 8 8 11	16	1 1 3,8 8		* 4 5 6

NR-25 (1-624-023-12)

mr-w (	MR-W (1-0/A-0/W-1/W								
DDD 110	TYPE	PIN NO.							
REF. NO.	lire	+5V	GND						
IC 701 IC 702 IC 703 IC 704 IC 705 IC 706 IC 707	CXK1202S CXK1202S SN74HC161NS	33.73 28 28 28 28 16 16 20	12.52 14 14 14 8 8 10						

NR-25 (1-624-023-12) CN701 B-3 D701 D702 C-2 C-3 EP701 C-2 IC701 IC702 IC703 IC704 IC705 IC706 IC707

\* REFER TO SCHEMATIC A-2 B-1 C-1 C-2 B-3 C-3 B-2 TP701 TP702 TP703 TP704 A-1 A-2 A-2 A-2 17-27

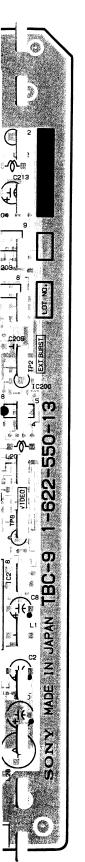
TBC-9P	(1-622-550-13)				
CN101 CN201	C-7 E-1	IC300 IC301 IC302	E-6 A-6 C-1	TP13 TP14	B-3 B-4
CP1 CP2 CP3	D-3 D-3 C-2	IC303	A-5 E-7 E-7		
D1 D200 D201 D202 D203 D204 D205	E-5 E-5 E-4 E-3 E-3 E-4 B-4	03 94 95 96 97 98 99	E-6 E-3 E-3 E-5 C-5 D-5 C-5		
E1 E2 E3 E4 E5	E-5 E-1 B-2 B-4 B-7	011 012 013 014 015 016	C-6 C-7 C-7 C-7 D-7 D-7		
IC1 IC2 IC4 IC5 IC6 IC7 IC8 IC9 IC10	A-6 E-6 E-2 D-4 C-2 D-4 D-4 C-4 C-3 D-5	917 918 919 920 9200 9201 9202 9203 9204 9205	D-7 D-6 D-7 D-5 E-5 E-5 E-4 E-4 E-4		
IC12 IC13 IC14 IC16 IC17 IC18 IC19 IC20 IC21 IC22 IC23 IC23 IC24 IC25 IC26 IC27 IC26	E-5 E-6 D-6 C-4 D-7 A-1 A-1 B-1 D-2 B-2 C-1 D-1 D-6 B-1 C-4 B-1	RV1 RV2 RV3 RV4 RV5 RV6 RV7 RV8 RV9 RV10 RV11 RV12 RV13 RV14 RV15	D-5 D-4 C-4 E-5 D-5 C-5 C-5 D-6 D-6 C-7 B-2 C-4 B-4 C-3		
IC29 IC30 IC31 IC32	B-7 A-5 A-6 B-4	S3 S4	D-1 B-1		
IC33 IC34	A-4	TH1	E-4		
IC34 IC35 IC36 IC37 IC38 IC40 IC41 IC42 IC200 IC201 IC202 IC203 IC204	A-4 A-5 B-2 D-5 C-3 A-5 B-3 B-4 E-4 E-3 E-3 E-3	TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12	D-5 E-4 A-2 C-4 B-5 C-4 B-6 B-5 A-1 D-7 A-3		

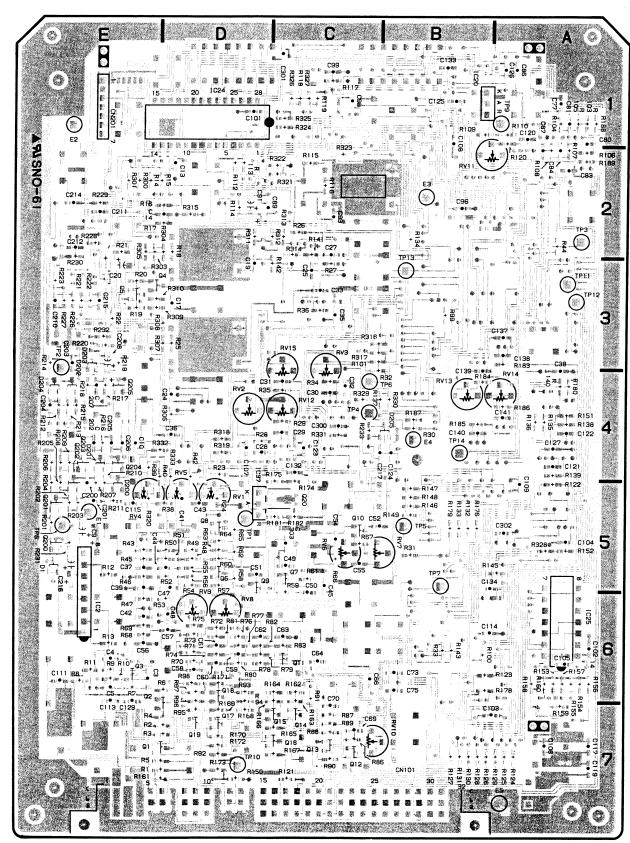
OFF S4 C ELBRES (E2 TPT:

TBC-9P - COMPONENT SIDE -

17-28

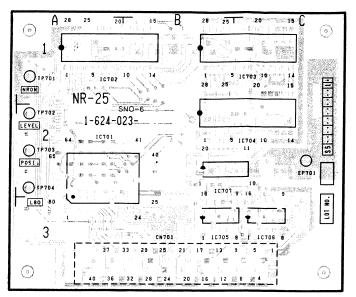
1-622-550-13 BVW-60P BVW-75P BVW-65P BVW-95P. BVW-70P BVW-96P



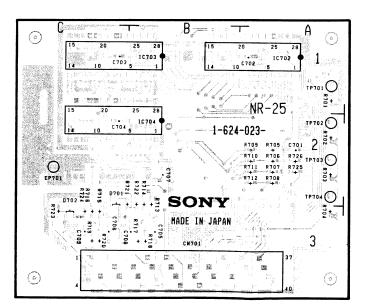


**TBC-9P** — SOLDERING SIDE — 80W-60P BVW-75P

BVW-60P BVW-75F BVW-65P BVW-95F BVW-70P BVW-96F S/N 10061 through 10769



**NR-25** — COMPONENT SIDE —
1-624-023-12
BVW-60P BVW-75P
BVW-65P BVW-95P



NR-25 — SOLDERING SIDE —
1-624-023-12
BVW-69P BVW-75P
BWW-65P BVW-95P
BVW-70P BVW-96P

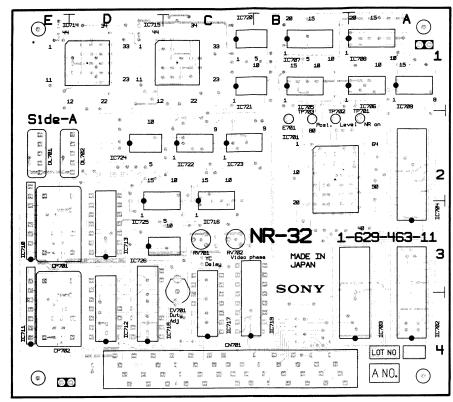
#### NR-32; Y DIGITAL NOISE REDUCTION, READ CLOCK GENERATOR

	S/N	10770	and	higher
ı	3/ N	10110	anu	nigher

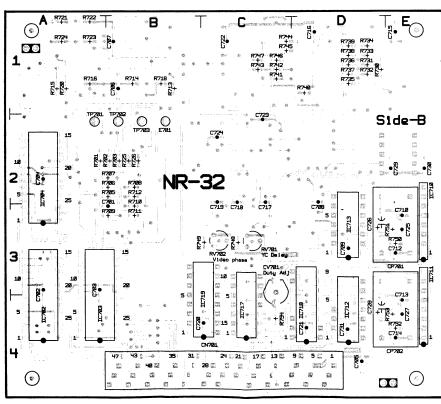
#### NR-32 (1-629-463-11)

	eupp.	PIN	NO.
REF.NO.	TYPE	+ 5 <b>V</b>	GND
IC 701 IC 702 IC 703 IC 704 IC 705 IC 706 IC 707 IC 708 IC 709 IC 710	CXD13280 CXK1202S CXK1202S CXK1202S SN74HC161NS SN74HC161NS SN74HC240NS SN74HC240NS SN74HC2161NS SN74HC161NS CX23065	33.73 28 28 28 16 16 20 1.20 16 5	12.52 14 14 14 8 8 10 10
IC 711 IC 712 IC 713 IC 714 IC 715 IC 716 IC 717 IC 718 IC 719 IC 720	CX23065 74F04PC 74F74PC CXD1045AQ CXD1045AQ CXD1045AA SN74LS221NS 74F32PC 74F175PC 74F163APC SN74HC74NS	5 14 14 17.39 17.39 16 14 16 16	8 7 7 1.6.28 1.6.28 8 7 8 8
IC 721 IC 722 IC 723 IC 724 IC 725 IC 726	SN74LS164NS SN74HC161NS SN74HC161NS SN74HC00NS SN74LS158NS SN74LS164NS	9.14 16 16 14 16 9.14	7 8 8 7 8 7

NR-32	(1-629-463-11)
CN701	C-4
CP701 CP702	E-3 E-4
CV701	C-3
DL701 DL702	E-2 E-2
E701	B-2
1C701 1C702 1C703 1C704 1C705 1C706 1C707 1C708 1C710 1C711 1C712 1C713 1C714 1C715 1C716 1C717 1C718 1C722 1C723 1C723 1C723	B-2 A-3 A-2 B-1 A-1 B-1 A-1 E-3 B-4 D-3 D-1 C-2 C-4 C-4 C-1 C-2 C-2 C-2 C-2 C-2 C-2
RV701	C-3
RV702	C-3
TP701 TP702 TP703	A-2 B-2 B-2



# NR-32—COMPONENT SIDE— 1-629-463-11 BVW-60P BVW-70P BVW-65P BVW-75P BVW-95P BVW-96P



NR-32 — SOLDERING SIDE—
1-629-463-11
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P

17-28 (a)

17-27 (a)

RV602 RV603 RV701 RV702 RV703

S1 S2

SL1 SL2 SL350 SL351 SL601

TP1
TP3
TP5
TP6
TP7
TP8
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP23
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31
TP501
TP601
TP701
TP702

X1 X201

A-5-5-5-6-2 A-4-4 D-2-2 C-2-3 F-4-4 B-3-3 B-2-2 F-2-2

E-1 E-2

A-3 C-3 G-1 G-1 G-1

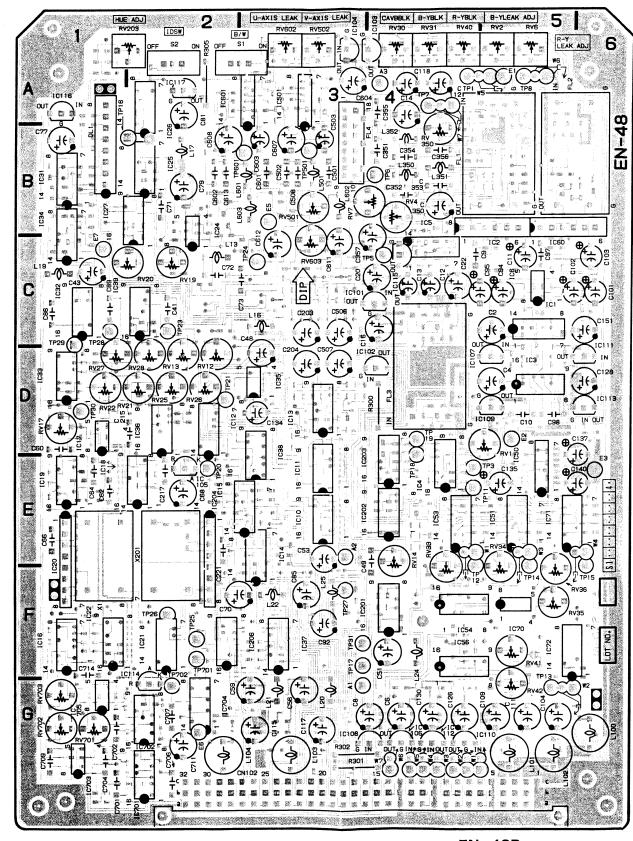
A-3 A-2

F-5 E-6 C-4 C-4 C-3

		15) PIN NO.								
REF.NO.	TYPE	+ 12V								
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 10 IC 11 IC 12 IC 13	MC34184M VA UNIT MC14503BF CX20017 CX20158 TL082CPS MC10H124M MC10H131M SN74LS00NS MC10H113M		16	8	6 16 12 9	8 2.10 5.7.10 16 1.16 7 1.16	1 7 5 1 8 8	11		
IC 14 IC 15 IC 16 IC 17 IC 18 IC 19 IC 20 IC 21 IC 22 IC 24	TC74HC04F MC74HC11F SN74LS74ANS TL082CPS TC74HC123F SN74LS221NS CX23065A SN74LS04NS SN74LS163ANS MB4002PF	8			14 14 14 16 16 5 14 16	7 7 8 8 8 8 7 8	4		4	
IC 25 IC 26 IC 27 IC 31 IC 32 IC 33 IC 34 IC 35 IC 36 IC 37	SN74LS74ANS SN74LS06NS SN74LS221NS SN74LS74NS SN74LS221NS SN74LS221NS TC74HC74F TL082CPS SN74LS221NS SN74LS221NS			8	14 14 16 14 16 16 14	7 7 8 7 8 7 8	4			
IC 38 IC 39 IC 50 IC 51 IC 52 IC 53 IC 54 IC 55 IC 60 IC 70	TC4053BF TC74HC221F MC34184M CX20158 VA UNIT CX20158 TC14053BF VA UNIT VA UNIT TL082CPS				16 16 4 12 6 12 16 6 8	8 8 5.7.10 5.7.10 8	7 11 1 1 1 1 1 4			
IC 71 IC 72 IC 101 IC 102 IC 103 IC 104 IC 105 IC 106 IC 107 IC 108	CX20158 CX20158 NJM78L09A NJM79L05A S-81230AG S-80230AG TL431CLPB NJM78L05A NJM78L08A NJM79L05A	* * * * * * *	* * * * * * *	* * * * * * *	12 14 * * * * * * * * * * * * * * * * * *	5.7.10 5.7.10 * 1 1 * * *	1 * * * * * * * * *	* * * * * * *	* * * * * * * * *	
IC 109 IC 110 IC 111 IC 112 IC 113 IC 114 IC 115 IC 116 IC 117 IC 201	NJM79L08A NJM78L08A NJM78L08A NJM79L05A NJM79L08A TI.431CLPB NJM79L08A NJM78L05A NJM79L05A MC10H124M	* * * * * * * *	* * * * * * * *	* * * * * * 9	* * * * * * *	* * * * * * *	* * * * * * * *	* * * * * * *	* * * * * * * * * *	
IC 202 IC 203 IC 204 IC 206 IC 501 IC 601 IC 701 IC 702 IC 703 IC 704 IC 705	MC10H131M MC10H113M CK23065A SN74LS163ANS NJM1496M NJM1496M TC74HIC123F SN74LS123NS TL082CPS SN74LS74ANS TL082CPS	8 8	* *		5 16	1.16 1.16 8 8 8	8 8		14 14 4	

EN-48P	(1-622-546-14, 15)		
CN102	G-3	IC115	C-4
D1	B-1	IC116 IC117	A-1 A-2
DL1	B-1	IC127 IC201 IC202	D-2 F-4 E-4
E1	A-5	IC203	D-4
E2	D-5	IC204	E-2
E3	E-6	IC206	F-2
E5	B-3	IC501	A-3
E6	G-2	10601	A-3 G-2
E7	B-1	1C701 1C702 1C703	G-2 G-1
FL1 FL2	B-5 B-6	IC704	G-2
FL3 FL4	D-4 A-4	10705	G-1
IC1	C-5	Q1 Q2	A-5 B-5
IC2	B-5	93	D-4
IC3	D-5	94	B-4
1C4	D-4	96	B-6
1C5	B-4	97	B-5
106	C-5	98	B-5
1010	E-3	99	B-4
IC11	D-3	Q10	B-4
IC12	D-2	Q11	A-5
IC13	D-3	013	E-4
IC14	E-3	014	E-5
IC15	E-3	Q15	B-4
IC16	F-1	917	B-5
IC17	D-1	918	A-5
IC18	E-2	925	B-1
IC19	E-1	9501	B-3
IC20	E-1	9502	A-4
IC21	F-2	9503	C-3
IC22	F-1	9504	C-4
IC24	B-2	9601	B-3
1C25	B-2	9602	A-3
1C26	A-2	9603	A-4
IC27	B-2	9604	C-3
IC31	B-1	9605	C-3
IC32 IC33	C-1 D-1	RV1	C-5
IC34	B-1	RV2	A-5
IC35	D-3	RV4	A-4
IC36	D-2	RV6	A-5
IC37	F-3	RV7	B-3
IC38	D-3	RV12	C-2
IC39	C-2	RV13	C-2
IC50	D-5	RV14	E-4
1C51	E-5	RV17	D-1
1C53	E-5	RV19	C-2
IC54	E-5	RV20	C-2
IC56	E-5	RV21	D-2
1060	B-6	RV22	D-1
1070	E-5	RV25	D-2
1C71	E-6	RV26	D-2
1C72	F-6	RV27	C-2
IC101	C-4	RV28	C-2
IC102	D-4	RV30	A-4
IC103	A-4	RV31	A-4
IC104	A-4	RV33	F-5
IC105	D-2	RV34	F-5
IC106	G-4	RV35	F-5
IC107	C-5	RV36	E-5
IC108	G-4	RV40	A-4
IC109	D-5	RV40 RV41 RV42	F-6 F-5
IC110	G-5	RV203	A-2
IC111	C-6		B-2
IC112	G-4	RV350	B-3
IC113	D-6	RV501	
IC114	F-2	RV502	A-3

EN-48P; C ENCODER

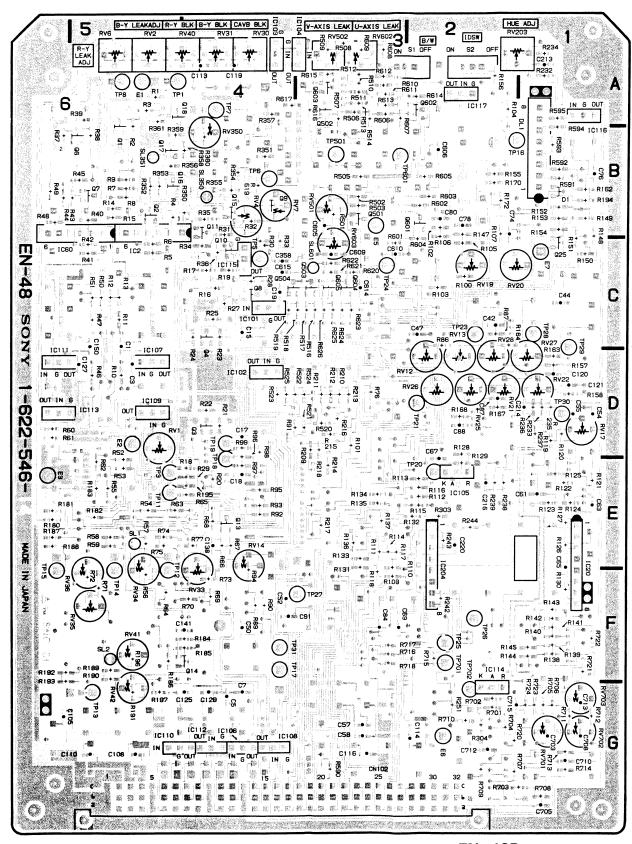


EN-48P—COMPONENT SIDE—
1-622-546-14,15
BW-60P BW-70P
BW-65P BW-75P
BW-95P BW-96P

A-3 C-3 G-1 G-1 G-1 A-2 F-5 E-6 C-4 C-4 C-3 E-1 E-2

HUE ADJ RV203 5 IDSW 6

EN-48P—COMPONENT SIDE—
1-622-546-14,15
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P



EN-48P-SOLDERING SIDE-

1-622-546-14,15 BVW-60P BVW-70P BVW-65P BVW-75P BVW-95P BVW-96P

VO-18AP (1-622-547-21, 22, 23)

D-5

CN103

CV1

C-5 F-3

A-3 B-3 C-3 A-3 B-3

E-3

A-4 A-3 A-2 A-2

E-3 E-3 E-3 C-2 C-2

A-5 C-6 E-5 G-7 C-3 C-2 E-5 B-5 G-5 G-3 J-1 J-2 J-1 F-3

RV501

RV601

RV700 RV701 RV702 RV703 RV704

S1 S2 S3 S4 S5

SL1 SL2 SL3 SL700 SL701

TP1
TP2
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP13
TP14
TP16
TP17
TP18
TP20
TP601
TP603
TP604
TP605
TP606

VO-18AP (1-622-547-21, 22, 23)

70-10AI	(1-622-547-2)		.,		PIN NO.			
REF.NO.	TYPE	+12V	+90	+8V	+5 <b>v</b>	GND	<b>−5</b> ۷	-12V
IC 1 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC 10 IC 11	MC34184M TL610CPS CX20158 CX20158 CX20158 TC74HC00F SN74LS06NS TC74HC08F TC74HC04F CX20158	8	14		12 12 12 14 14 14	1.4 5.7.10 5.7.10 5.7.10 7 7 7 7 5.7.10.12	1	11 7
IC 12 IC 13 IC 15 IC 16 IC 17 IC 100 IC 101 IC 102 IC 103 IC 104 IC 105 IC 106 IC 107 IC 108 IC 109 IC 110 IC 111 IC 112 IC 108 IC 109 IC 109	CX20158 CX20158 TL082CPS TL082CPS TC4053BF MC34182M MJM78L05A NJM79L05A NJM79L05A NJM79L05A NJM79L05A NJM79L05A NJM79L05A NJM79L05A S-80230AG NJM78L05A NJM79L05A S-81230AG NJM78L05A NJM78L05A CX20111	* * * * * * * * * * * * * * * * * * * *	****	****	12 14 16 8 * * * * * * * * * * * * * * * *	5.7.10 5.7.10.12 8 * * * * * * * * * * * * * * * * * *	4 * * * * * * * * * * * * * * * * * * *	4 ****
IC 602 IC 603 IC 604 IC 605 IC 606 IC 700 IC 701 IC 702 IC 703 IC 704	CX20111 TC4030BF NJM4558M TC50403BF TC4538BF MB4002PF SNT4LS00NS BX-381 MC34182M	8 2 8			14 8 14 16 14	1.11.13.17 7 8 7 8	4	9 4
IC 705 IC 706 IC 706 IC 706	6   TC610CPS 7   CX20158	8	4		16 12 14	8 1.4 5.7.10 7	1	5

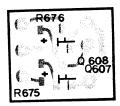
\* REFER TO SCHEMATIC



**DUS-270** - COMPONENT SIDE -1-627-293-11 BVW-60P BVW-75P

BVW-65P BVW-95P BVW-70P BVW-96P

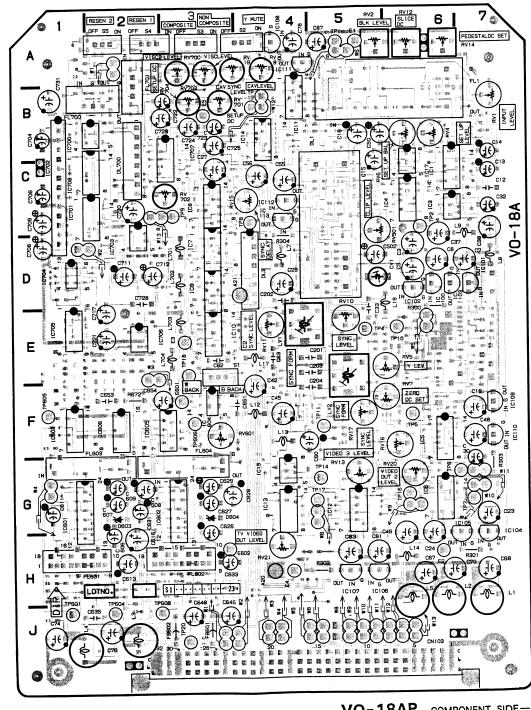
1-627-293-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P



DUS-270 — SOLDERING SIDE —

IC704 IC705 IC706 IC707 IC708 D-1 E-1 E-2 B-3 C-2 E-3 D601 H-1 E-4 F-5 D602 D603 LV1 H-3 G-2 G-3 F-3 LV2 D604 D605 A-5 91 92 93 94 95 96 97 B-6 B-6 B-7 DL1 DL2 DL700 D-4 C-2 E2 E3 E4 E5 E601 E602 98 99 910 911 912 914 915 916 917 920 921 922 925 926 927 928 929 930 931 932 940 9501 9502 9503 9604 9605 9606 9700 9701 9702 9703 9704 Н-6 E-3 H-4 B-3 F-3 H-3 FB601 FB602 J-3 J-3 FL1 FL601 FL602 FL603 FL604 FL700 FL701 B-6 H-1 H-3 G-2 G-3 B-1 B-2 C-6 C-6 F-6 G-3 D-3 B-4 G-5 G-4 B-4 C-6 D-7 D-7 D-7 IC1 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC17 IC100 IC101 IC102 IC103 IC104 IC105 IC106 B-2 A-2 C-3 RV1 RV2 RV4 RV5 RV6 RV7 RV9 RV10 RV11 RV12 RV13 RV14 RV15 RV16 RV17 B-7 B-66 B-66 B-66 F-65 A-65 A-65 F-54 G-66 H-4 IC111 IC112 C-4 C-4 G-1 G-3 F-1 F-3 F-2 B-2 C-2 C-1 D-2 IC113 IC601 IC602 IC603 IC604 IC605 IC606 IC700 IC701 IC702 IC703 RV19 RV20

VO-18AP; VIDEO OUTPUT DUS-270; SQUELCH BUFFER



VO-18AP—COMPONENT SIDE—
1-622-547-21, 22, 23
BVW-60P
BVW-65P
BVW-95P

RV501

RV601

RV700 RV701 RV702 RV703 RV704

SL1 SL2 SL3 SL700 SL701

TP1
TP2
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP13
TP14
TP16
TP17
TP18
TP20
TP601
TP603
TP604
TP605
TP605

C-5 F-3

> B-3 C-3 A-3 B-3

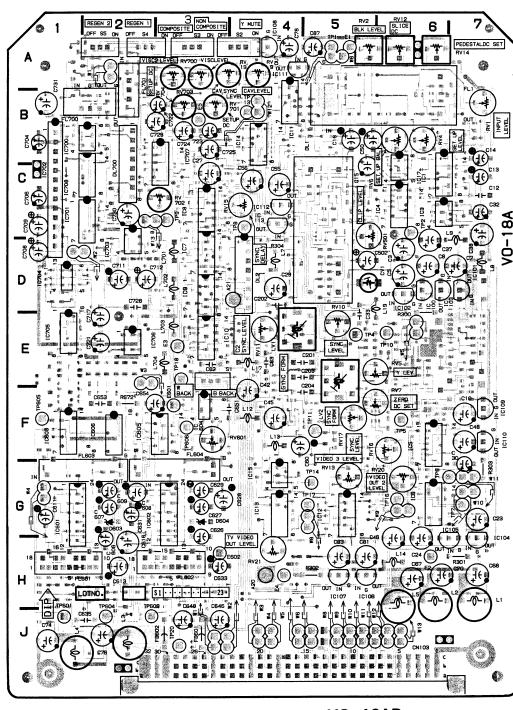
> E-3

A-4 A-3 A-2 A-2

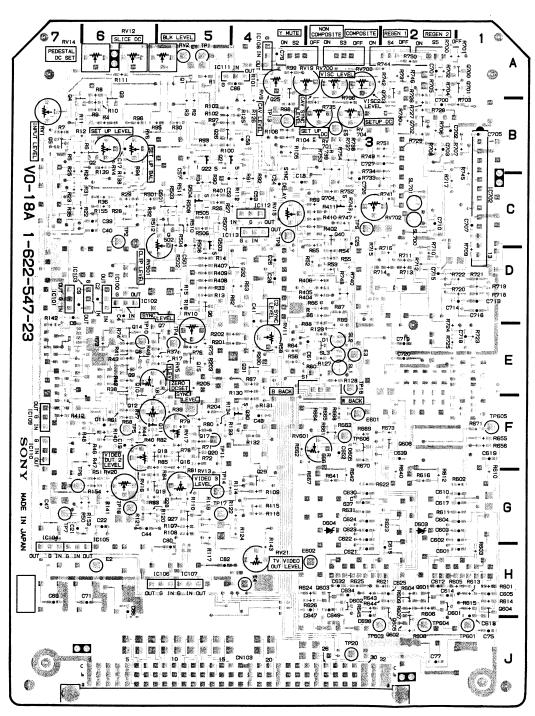
E-3 E-3 E-3 C-2 C-2

210

#### VO-18AP; VIDEO OUTPUT DUS-270; SQUELCH BUFFER



VO-18AP—COMPONENT SIDE—
1-622-547-21, 22, 23
BVW-60P
BVW-65P
BVW-95P



**VO-18AP**—SOLDERING SIDE— 1-622-547-21, 22, 23 8VW-60P 8VW-65P BVW-95P

DEC-39A; EDGE DETECTOR

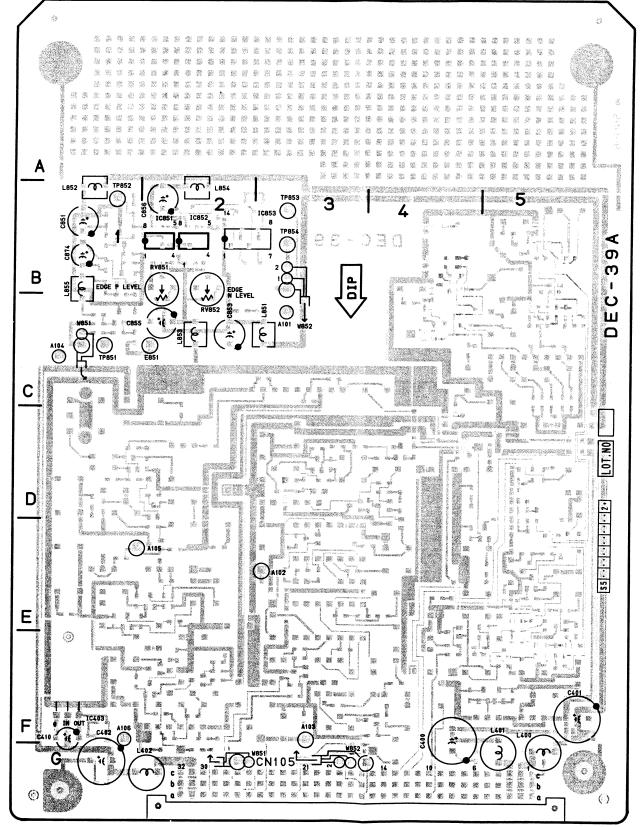
S/N 10061 through 10669

#### DEC-39A (1-623-874-21)

		PIN NO.						
REF.NO	TYPE	REG + 12V	+9V	+5V	GND	-5 <b>v</b>	REG-12V	
IC 403 IC 851 IC 852 IC 853	NJM79M05A MB4002PF MB4002PF SN74HC08NS	* 8 8	*	* 14	* 1 1 7	* 4 4	*	

\* REFER TO SCHEMATIC

DEC-39A	(1-623-874-21)
CN105	G-3
D403	F-1
E851	C-2
IC403 IC851 IC852 IC853	F-1 B-2 B-2 B-2
9852	C-1 B-1 B-1
	B-2 B-2
TP852 TP853	C-1 B-1 B-3 B-3

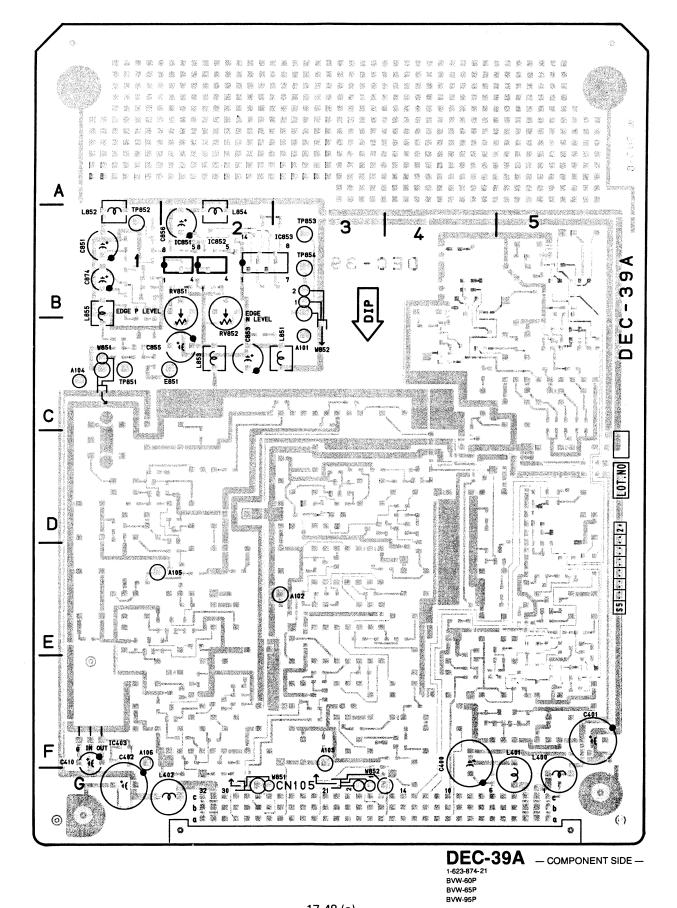


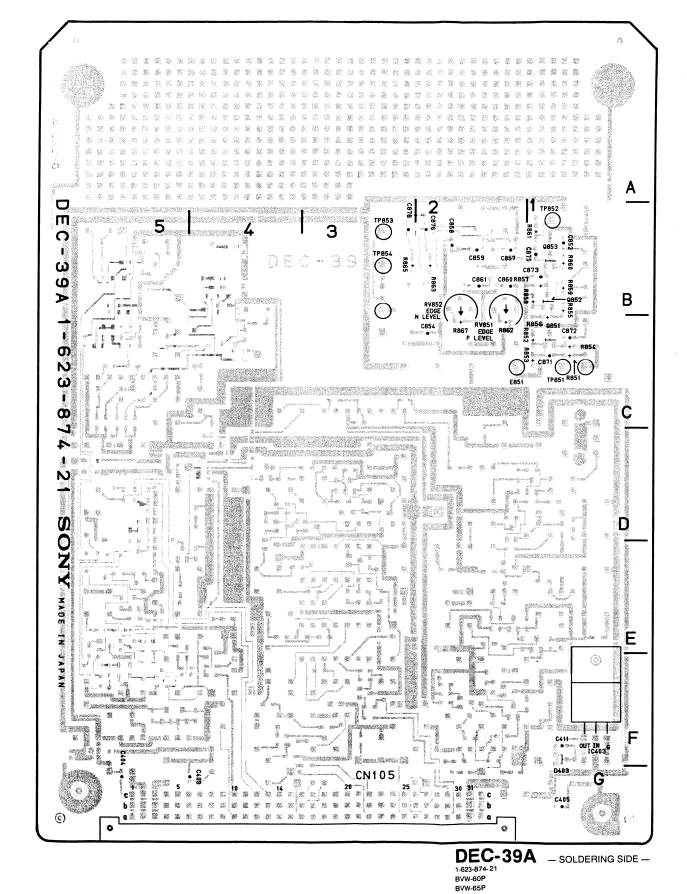
DEC-39A — COMPONENT SIDE —
1-623-874-21
8VW-66P
BVW-65P
BVW-95P

3 9 4

DEC-39A; EDGE DETECTOR

S/N 10061 through 10669





17-48 (a)

17-49 (a)

DEC-46AP; EDGE DETECTOR

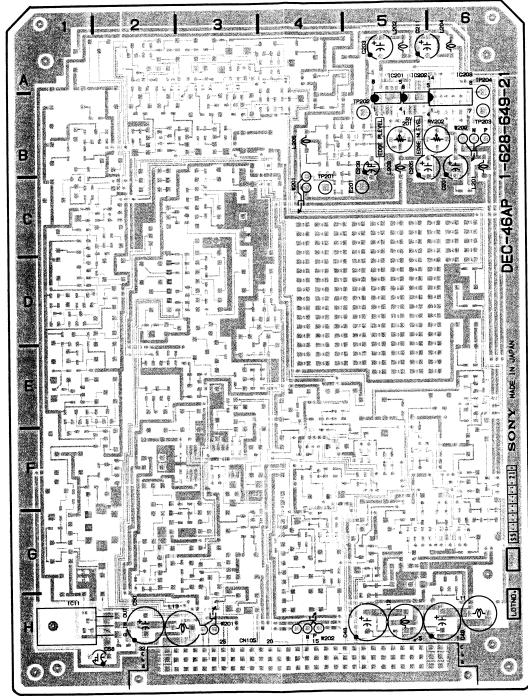
S/N 10670 and higher

DEC-46AP (1-628-649-21)

	DCC-40AF	(1-020-043-21)						
-			PIN NO.					
	REF.No.	TYPE	REG + 12V	+9 <b>V</b>	+5V	GND	<b>−5V</b>	REG-12V
	IC 201 IC 202 IC 203 IC 403	MB4002PF MB4002PF SN74HC08NS NJM79M05A	8 8 *	*	14 *	1 1 7 *	4 4 *	*

\* REFER TO SCHEMATIC

DEC-46AP	(1-628-649-21)
CN105	H-3
D4	H-1
E201	C-5
IC11	H-1
IC201	B-5
IC202	B-5
IC203	B-6
9201	B-5
9202	B-5
9203	B-5
RV201	B-5
RV202	B-6
TP201	C-4
TP202	B-5
TP203	B-6
TP204	B-6

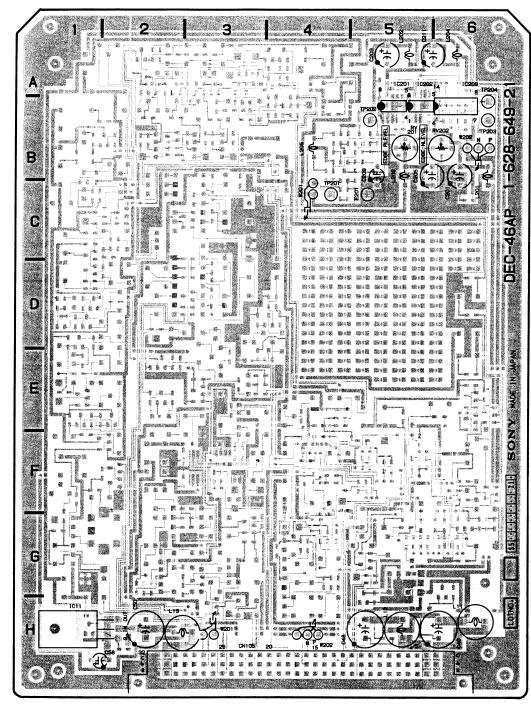


DEC-46 AP — COMPONENT SIDE —

1-628-649-21
BVW-60P
BVW-65P
BVW-95P

DEC-46AP; EDGE DETECTOR

S/N 10670 and higher



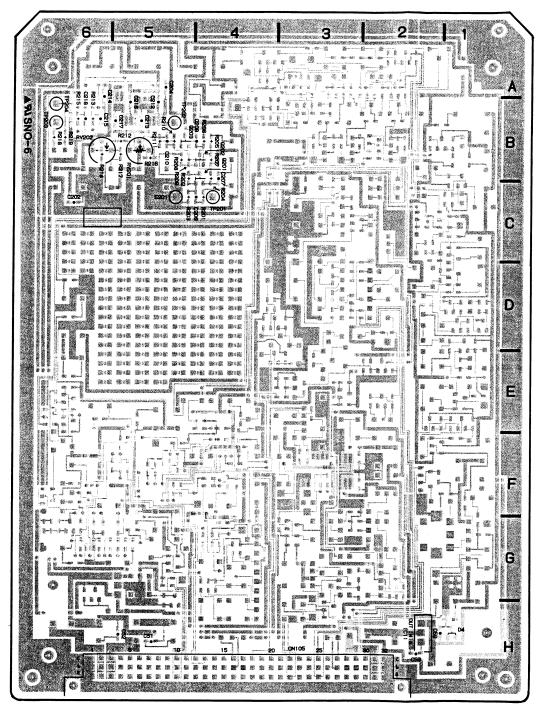
**DEC-46AP** — COMPONENT SIDE —

1-628-649-21

BVW-60P

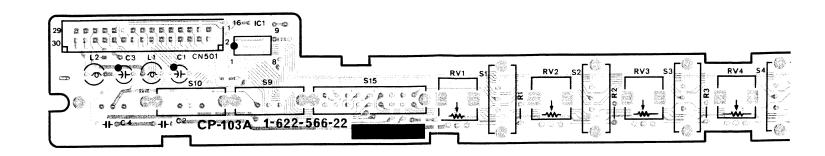
BVW-65P

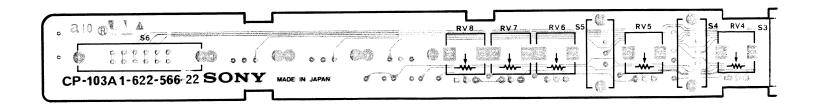
BVW-95P



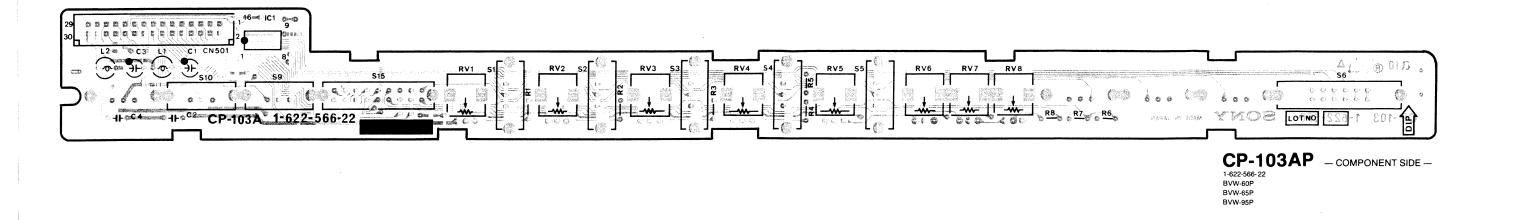
**DEC-46AP** — SOLDERING SIDE — BVW-65P BVW-95P

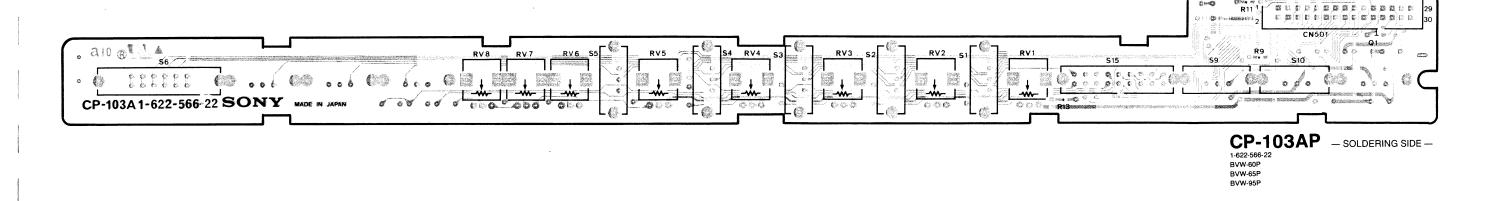
CP-103AP; SUB CONTROL PANEL



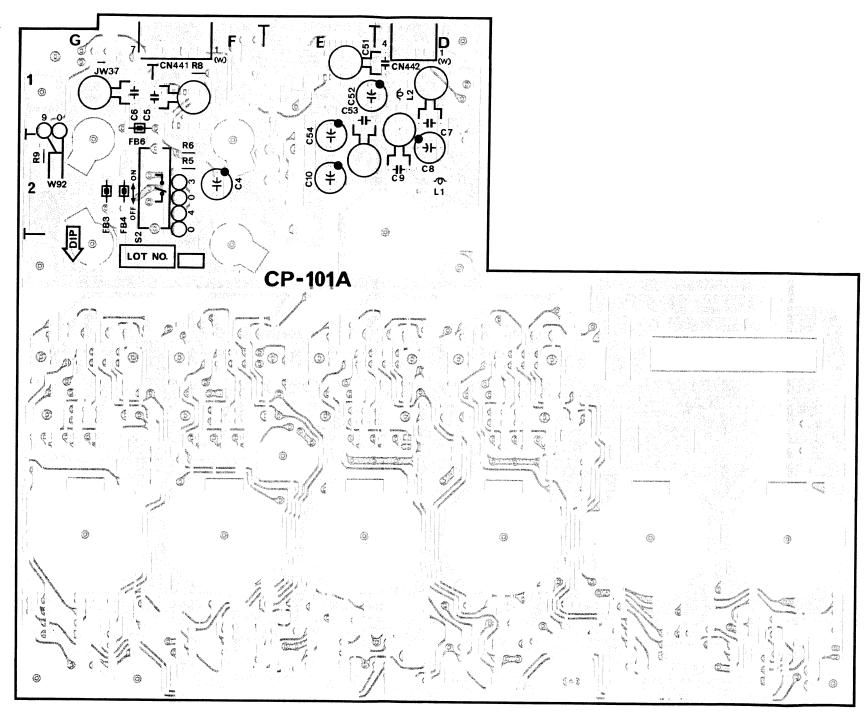


CP-103AP; SUB CONTROL PANEL





CP-101AP; REF VIDEO INPUT



**CP-101AP** — COMPONENT SIDE — 1-622-570-21 8VW-60P BWW-65P BWW-95P

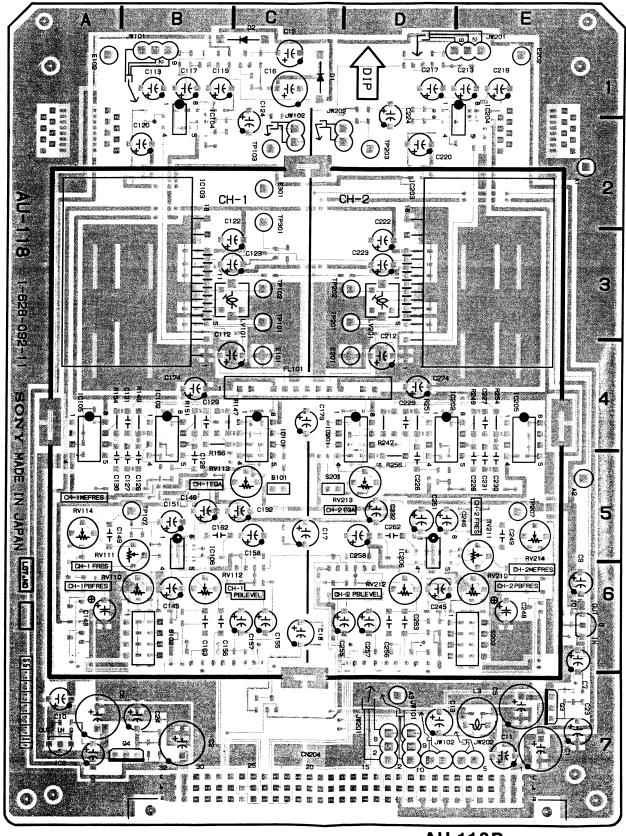
#### AU-118P; LNG AUDIO HEAD AMPLIFIER

AU-118P (1-626-092-11)

AU-118P (1-020-032-11)								
DDD NO	wine	PIN NO.						
REF.NO	TYPE	+12V	+11V	+7٧	GND	<b>-7</b> V	-11V	-12V
IC 1 IC 20 IC 102 IC 102 IC 103 IC 104 IC 105 IC 106 IC 201 IC 202 IC 203 IC 204 IC 205 IC 206	NJM78L05A NJM79L05A µPC4558C µPC4558C BX1152 NJM5532M µPC4558C µPC4558C µPC4558C µPC4558C BX1152 NJM5043M-D µPC4558C NJM5043M-D	*	8 8 8 8	* * 12 8 8 8	2 3 1.6.18 1.6.18	* 14 4 4 14 4	4 4 4 4	* *

\* REFER TO SCHEMATIC

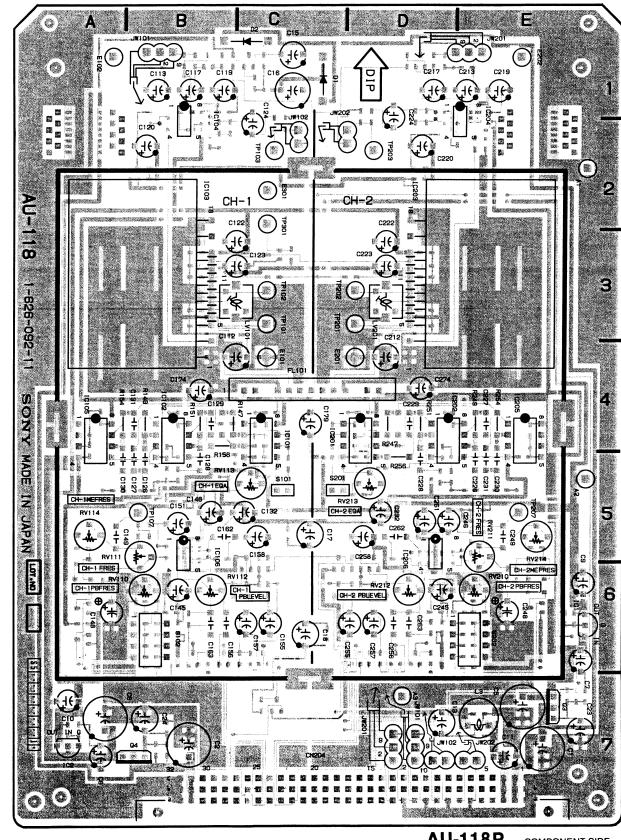
AU-118	P (1-62)	5-092-11	D	
CN204	C-7		S101 S102	C-5 B-6
D1 D2 D303	C-1 C-1 C-6		S201 S202	C-5 E-6
E101 E102 E201 E202 E301	C-4 A-1 D-4 E-1 C-2		TP101 TP102 TP103 TP107 TP201 TP202 TP203	C-3 C-3 C-2 B-5 D-3 D-3 D-2
FL101	C-4		TP207 TP301	E-5 C-3
IC1 IC2 IC101 IC102 IC103 IC104 IC105 IC106 IC201 IC202 IC203 IC204 IC205 IC206	E-6 A-7 C-4 B-3 B-1 A-4 B-6 D-4 D-3 E-1 E-4		1001	
LV101 LV201	C-3 D-3			
91 92 93 94 95 96 9104 9115 9116 9117 9118 9119 9204 9215 9216 9217 9218 9219 9220 9309 9310 9311	C-1 C-3 E-7 B-7 A-6 C-6 B-1 C-6 B-6 B-1 D-6 E-6 D-6 E-6 C-6 C-6 C-6 C-6 C-6 C-6 C-6 C-6 C-6 C			
RV110 RV111 RV112 RV113 RV114 RV210 RV211 RV212 RV213 RV214	B-6 B-5 B-6 C-5 E-6 E-5 D-6 D-5 E-5			

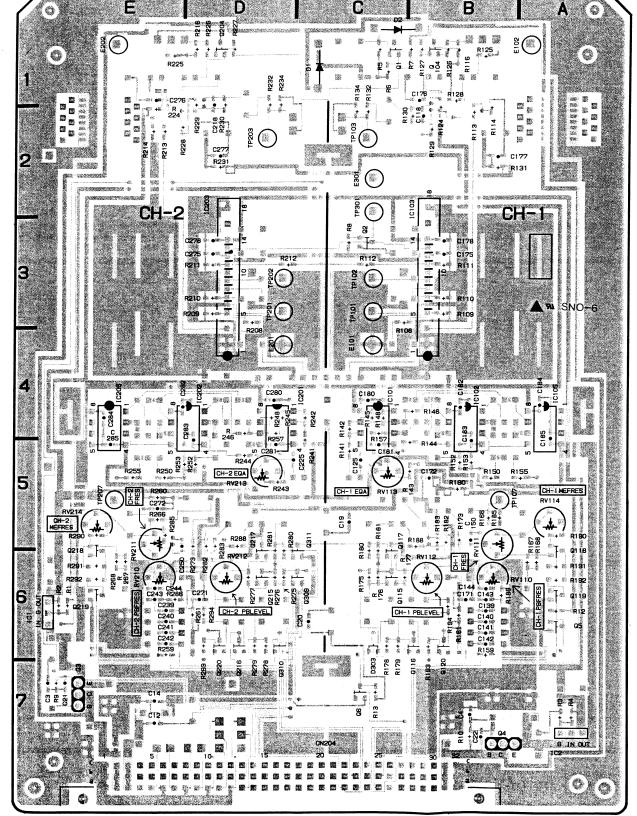


**AU-118P** — COMPONENT SIDE — BWW-66P BWW-95P

17-66

#### AU-1 1 8 P; LNG AUDIO HEAD AMPLIFIER





AU-118 P — SOLDERING SIDE —

1-626-092-11

BVW-60P

BWW-65P

BWW-95P

**AU-118P** — COMPONENT SIDE — 1-626-092-11 BVW-60P BVW-65P

AFM-1A; AFM AUDIO DEMODULATOR FL-61; AUDIO LPF

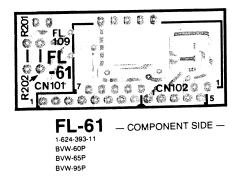
AFM-1A (1-622-569-21, 22)

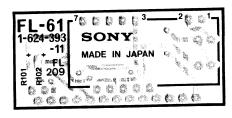
			PIN	NO.	
REF.NO	TYPE	+ 12V	+ 5V	GND	-12V
IC 1 IC 2 IC 101 IC 102 IC 103 IC 104 IC 201 IC 202 IC 303 IC 304	AN3920K AN3920K AN3922NK AN3922NK TC4053BF NJM2041M-D AN3922NK AN3922NK NJM2041M-D NJM5532M	8 8 8	7 7 6 6 16 6	1.19 1.19 4.15 4.15 8 4.15 4.15	4 4 4
IC 403 IC 404 IC 501 IC 701 IC 702 IC 703 IC 704 IC 705 IC 706 IC 707	NJM2041M-D NJM5532M CX20099 TC4011BF TC4030BF TC504013BF TC4538BF TC4538BF TC4001BF TC4001BF	8	15 14 14 14 16 16 14	1.14 7 7 7 8 8 8 7	4 4 4 4
IC 708 IC 710	NJM78L06A NJM7805A	*	*	2 2	*

\* REFER TO SCHEMATIC

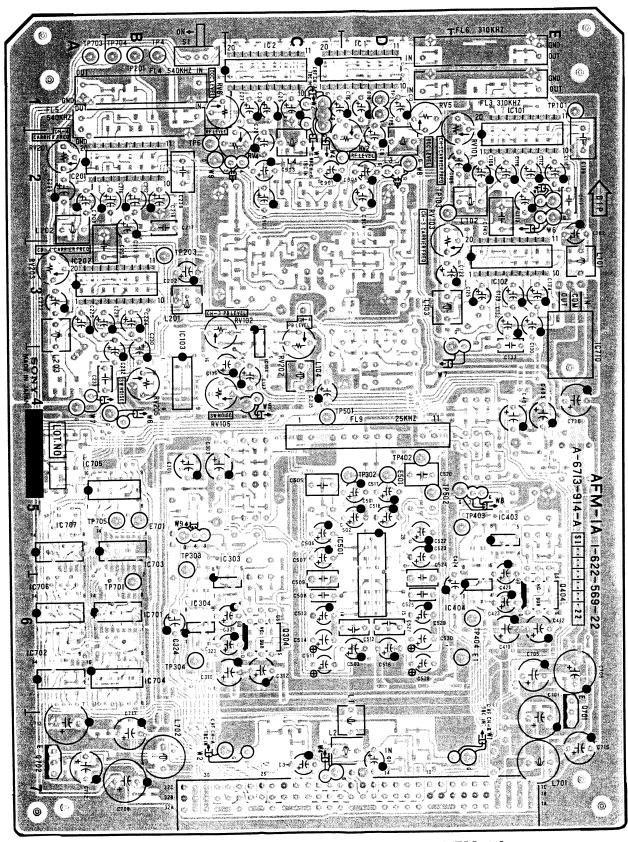
AFM-1A (1-622-569-21, 22)

ut n. Tu	(1 022 000 21, 22,			
D101 D102 D201 D202 D901 D902 E1 E101 E201 E301 E401 E501 E701 FL1 FL2 FL3 FL4 FL5 FL6 FL9	E-1 E-3 A-2 A-4 C-2 C-2 E-6 E-4 B-4 C-5 D-5 B-5 C-7 D-7 E-1 B-1 B-1 B-1	1C702 1C703 1C704 1C705 1C706 1C707 1C708 1C710 01 02 04 0304 0404 0404 0404 0407 0407 0407 0	A-65B-57B-56B-57B-56B-77B-77B-77B-78B-77B-78B-77B-78B-77B-78B-78	TP1 C-7 TP2 D-7 TP3 D-1 TP4 B-1 TP5 D-1 TP6 B-2 TP101 E-1 TP103 E-2 TP201 B-2 TP202 C-4 TP203 B-3 TP303 B-6 TP304 B-6 TP402 D-5 TP403 D-5 TP406 D-5 TP403 C-5 TP406 D-5 TP503 C-5 TP701 B-6 TP701 B-6 TP703 A-1 TP704 B-1 TP705 B-5 TP706 B-4
IC1 IC2 IC101 IC102 IC103 IC104 IC201 IC303 IC304 IC403 IC404 IC501 IC701	D-1 C-1 E-2 B-4 C-3 B-2 B-3 B-6 B-6 B-6 B-6 D-6	RV2 RV4 RV5 RV6 RV101 RV102 RV103 RV105 RV201 RV202 RV203 RV205 S1	D-2 C-2 D-1 B-2 E-2 B-3 D-3 B-4 A-2 C-3 A-3 B-4	





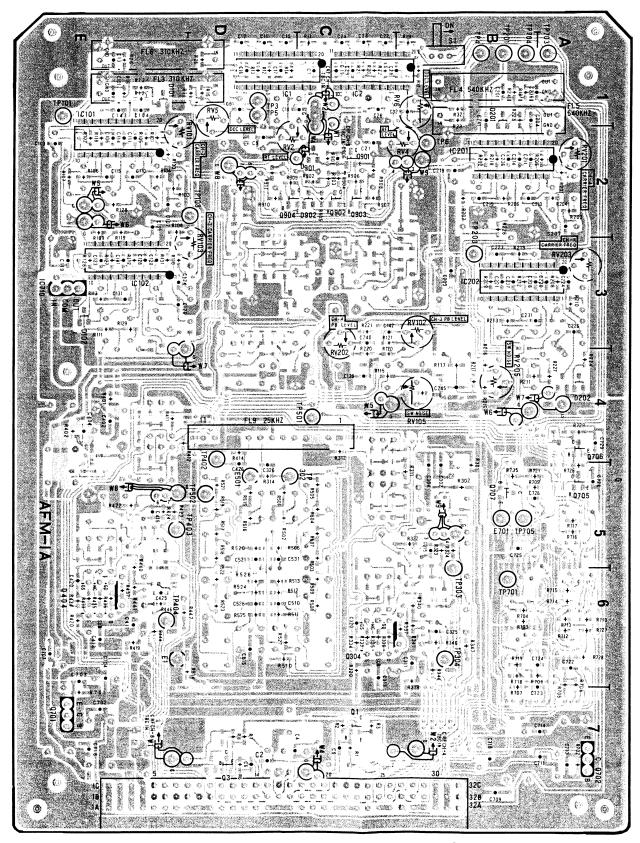
FL-61 — SOLDERING SIDE —
1.624-393-11
BWW-60P
BWW-65P
BWW-95P



**AFM-1A** — COMPONENT SIDE —
1-622-569-21, 22
BVW-60P
BVW-65P
BVW-95P

AFM-1A; AFM AUDIO DEMODULATOR FL-61; AUDIO LPF

**AFM-1A** — COMPONENT SIDE — 1-622-569-21, 22 BVW-60P BWW-65P BWW-95P



**AFM-1A** — SOLDERING SIDE — BVW-60P BVW-95P

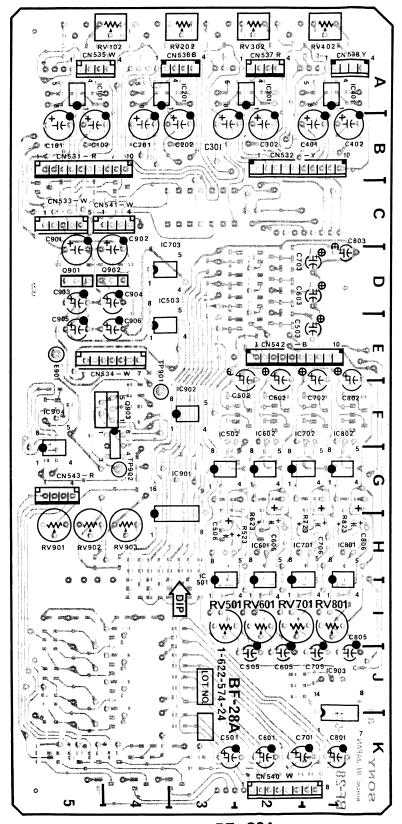
BF-28A (1-622-574-22,23,24)

DED NO	TUDE		PIN	NO.	•
REF.NO.	TYPE	+ 12V	+8V	-8V	-12V
IC 101 IC 201 IC 301 IC 401 IC 501 IC 502 IC 503 IC 601 IC 602 IC 701	NJM2041N-D NJM2041N-D NJM2041N-D NJM2560M NJM4560M NJM4560M NJM4560M NJM4560M NJM4560M NJM4560M	8888	888888	4 4 4 4 4	4 4 4 4
IC 702 IC 703 IC 801 IC 802 IC 901 IC 902 IC 903 IC 904	NJM4560M NJM4560M TC4052BF NJM2041M-D	-	8 8 8 16 8 14	4 4 4 8 4 7 4	

BF-28A (1-622-574-22,23,24)

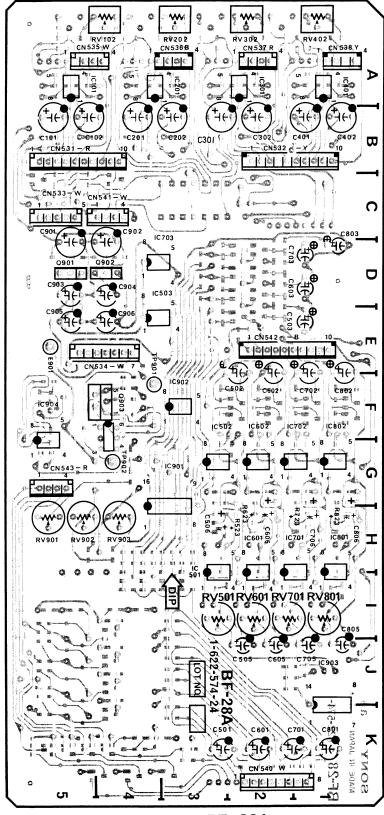
N-ZOH	(1-022-0	14.00,00,00	
N531	B-5	IC101	A-5
N532	B-2	IC201	A-4
N533	C-5	IC301	A-2
N534	E-4	IC401	A-1
N535	A-5	IC501	11-3
N536	A-4	10502	G-3
N537	A-2	IC503	E-4
N538	A-1	10601	H-2
N540	K-2	10602	G-2
N541	C-4	10701	H-1
N542	E-1	10702	G-1
N543	G-5	10703	D-3
	=	10801	H-1
501	11-3	10802	G-1
502	F-2	IC901	G-3
503	F-2	10902	F-3
505	E-2	IC903	J-1
506	E-2	IC904	F-5
601	H-2		
602	F-2	<b>Q501</b>	1-3
603	F-2	9601	I-3
605	D-2	9701	I-4
606	D-2	9801	1-4
701	H-1	Q901	D-5
702	F-1	9902	D-4
703	F-1	<b>Q903</b>	F-4
705	D-2		
706	D-2	RV102	A-4
801	H-1	RV202	A-3
802	F-1	RV302	A-2
803	F-1	RV402	A-1
805	D-2	RV501	1-3
806	D-2	RV601	1-2
901	F-4	RV701	1-2
902	F-5	RV801	1-1
		RV901	H-5
901	E-5	RV902	H-5
		RV903	H-4
		TP901	F-4
		TP902	G-4
		555	

BF-28A; AUDIO BUFFER/LEVEL METER DRIVER VR-42; AUDIO PB VOLUME

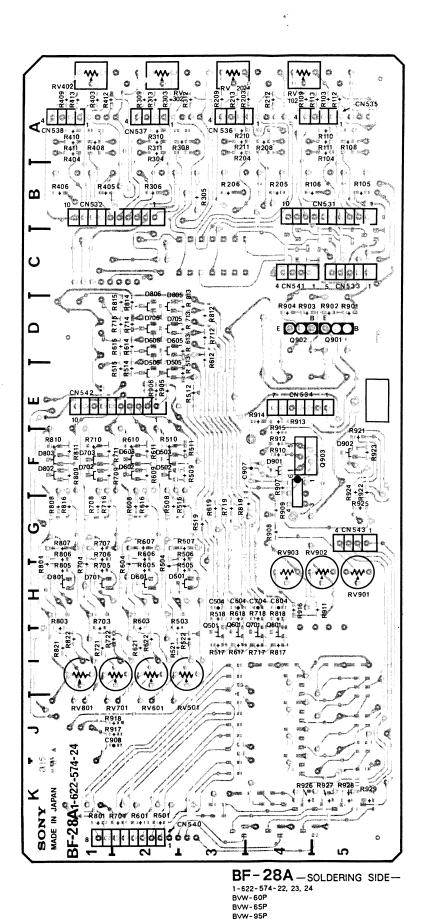


BF-28A - COMPONENT SIDE-1-622-574-22, 23, 24 BVW-60P BVW-65P BVW-95P

## BF-28A; AUDIO BUFFER/LEVEL METER DRIVER VR-42; AUDIO PB VOLUME



BF-28A—COMPONENT SIDE—
1-622-574-22, 23, 24
8vw-60P
8vw-65P
8vw-95P



17-79

CP-111; AUDIO OUTPUT AMPLIFIER/DRIVER

CP-113; AUDIO BALANCED AMPLIFIER HP-33; HEADPHONES AMPLIFIER/JACK

Up to S/N 12854

#### Up to S/N 11851

#### CP-111 (1-622-571-12)

	munn.	PIN N	o
REF.NO	TYPE	+12V	-12V
IC 31 IC 32 IC 33 IC 34 IC 35 IC 36 IC 37 IC 38 IC 39 IC 40	NJM4560D-D CX770 NJM4560D-D NJM4560D-D NJM4560D-D CX770 NJM4560D-D CX776 NJM4560D-D NJM4560D-D	8 * 8 8 8 * 8 8 8	4 4 4 4 * 4 4

\*REFER TO SCHEMATIC

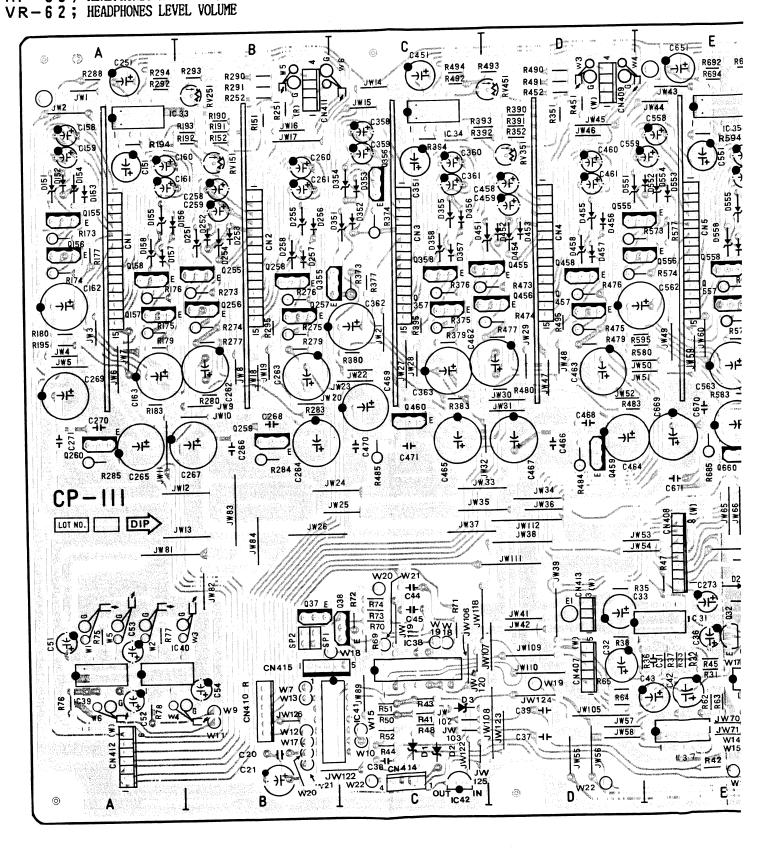
#### S/N 11852 through 12854

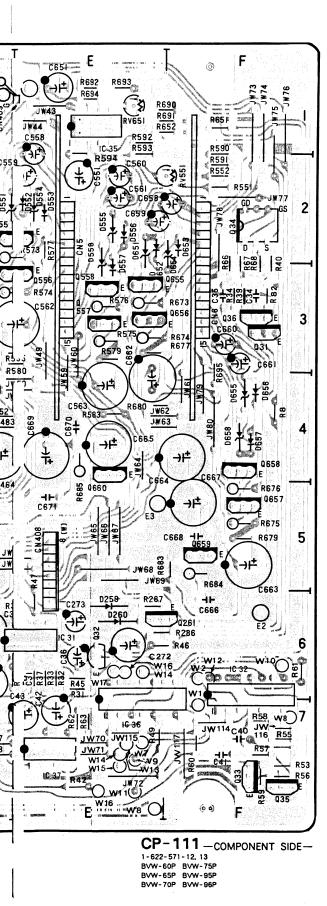
#### CP-111 (1-622-571-13)

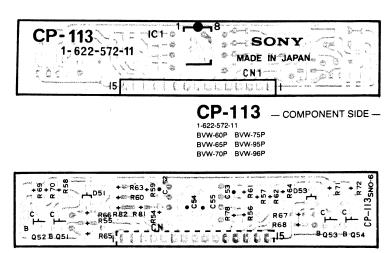
	<b>-</b>		PIN NO.	
REF. NO	TYPE	+12V	+5 <b>V</b>	-12V
IC 31 IC 32 IC 33 IC 34 IC 35 IC 36 IC 37 IC 38 IC 39 IC 40 IC 41	NJM4560D-D NJM4560D-D TC4016BP	8 8 8 8 8	14 14 14 14 *	4 7 4 4 7 4 7 4 7 4 7

\*REFER TO SCHEMATIC

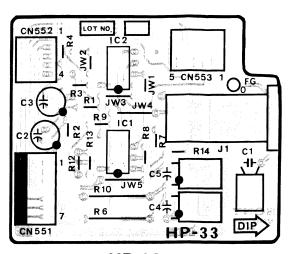
CP-111 (	(1-622-571	-12, 13)	
CN1 CN2 CN3 CN4	A-3 B-3 C-3 D-3	E1 E2 E3 E4	D-6 F-6 E-5 F-6
CN5 CN6 CN407 CN408 CN409 CN410 CN411 CN412 CN413 CN414 CN415	E-3 F-3 D-6 E-5 D-1 B-7 B-7 D-6 C-7 B-6	1C31 1C32 1C33 1C34 1C35 1C36 1C37 1C38 1C39 1C40 1C41	E-6 F-6 A-1 C-1 E-6 E-7 C-6 A-6 B-7
0151 0152 0153 0154 0155 0156 0157 0156 0157 0155 0156 0157 0158 0159 0159 0159 0159 0159 0159 0159 0159	A-A-A-A-A-B-B-B-B-B-B-E-C-C-C-C-C-C-D-D-D-D-D-D-E-E-E-E-E-E-F-F-F-F-F-F-F-F	931 932 933 934 935 936 937 938 9155 9156 9255 9256 9257 9258 9259 9260 9261 9355 9355 9455 9455 9456 9457 9458 9459 9459 9459 9459 9459 9459 9459	C- F-G-7-366-223333344-6323333344-2333333-35-45-4 21212-1 6-6-6-2-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-



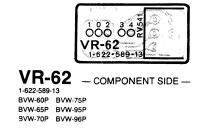




CP-113 - SOLDERING SIDE -1-622-572-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P



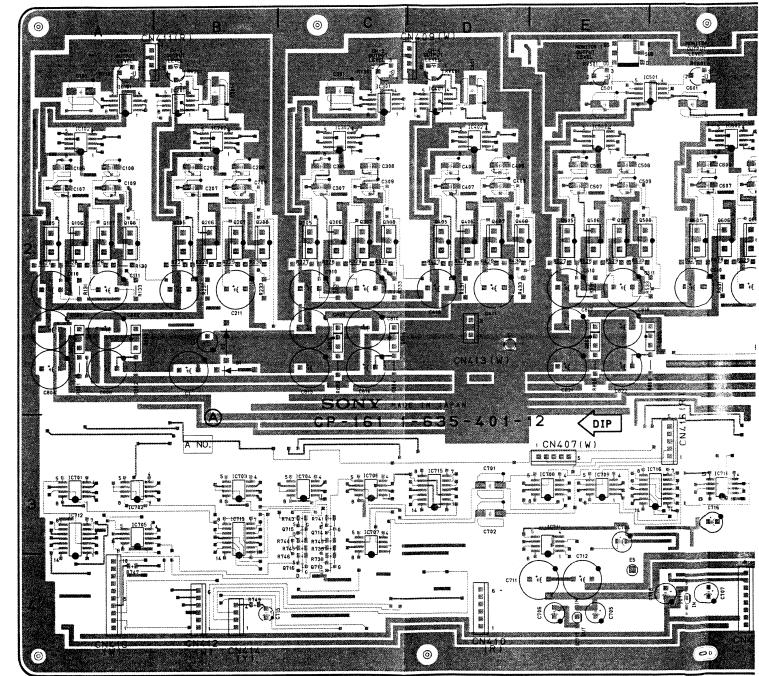
HP-33 — COMPONENT SIDE —
1-622-590-13
BWW-60P BWW-75P
BWW-65P BWW-95P
BWW-70P BWW-96P



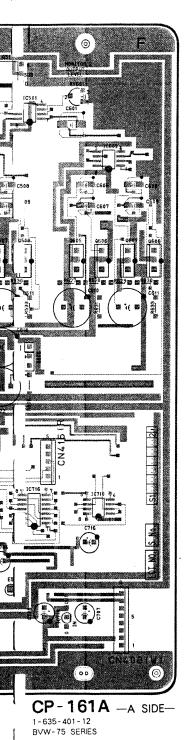
CN407 B-3 D702 D-4 Q203 CN408 F-4 D703 B-3 Q204 CN409 D-1 D704 B-3 Q205 CN410 D-4 D705 A-3 Q206	B-1 Q704 C-4 B-1 Q705 D-4 B-2 Q706 D-4
CN411         B-1         D706         B-3         Q207           CN412         B-4         D707         C-3         Q208           CN413         D-2         D708         A-3         Q209           CN414         B-4         D709         C-4         Q210           CN415         F-3         D710         C-3         Q211           D1         B-2         D712         C-3         Q301           D102         B-1         D712         C-3         Q301           D101         A-1         E1         D-2         Q303           D102         A-1         Q304         Q304         Q304           D103         A-1         IC101         A-1         Q305           D104         A-1         IC102         A-1         Q306           D105         A-2         IC201         B-1         Q307           D106         A-2         IC201         B-1         Q307           D106         A-2         IC302         C-1         Q310           D107         A-2         IC301         C-1         Q309           D108         B-1         IC401         D-1         Q312	B-2 Q707 D-4 B-2 Q708 D-4 B-2 Q709 B-4 B-2 Q710 C-4 B-2 Q711 A-4 B-2 Q711 A-4 B-2 Q715 C-5 C-1 Q715 C-5 C-1 Q716 C-7 C-1 Q717 C-7 C-1 Q717 C-7 C-2 Q720 C-7 C-2 Q720 C-7 C-2 Q721 A-7 C-2 Q721 A-7 C-2 Q722 C-7 C-2 Q721 A-7 C-2 Q722 C-7 C-2 Q724 C-7 C-2 Q725 B-7 D-1 Q802 A-7 D-1 Q802 A-7 D-1 Q802 A-7 D-1 Q803 C-7 D-2 Q805 E-7 D-2 Q806 E-7 D-2 Q806 E-7 D-2 RV201 B- D-2 RV201 B- D-2 RV301 C-7 C-1 RV601 F-7 E-1 RV601 F-7 E-1 RV601 F-7 E-1 F-1 F-1 F-1 F-1 F-1 F-1 F-1 F-1 F-1 F

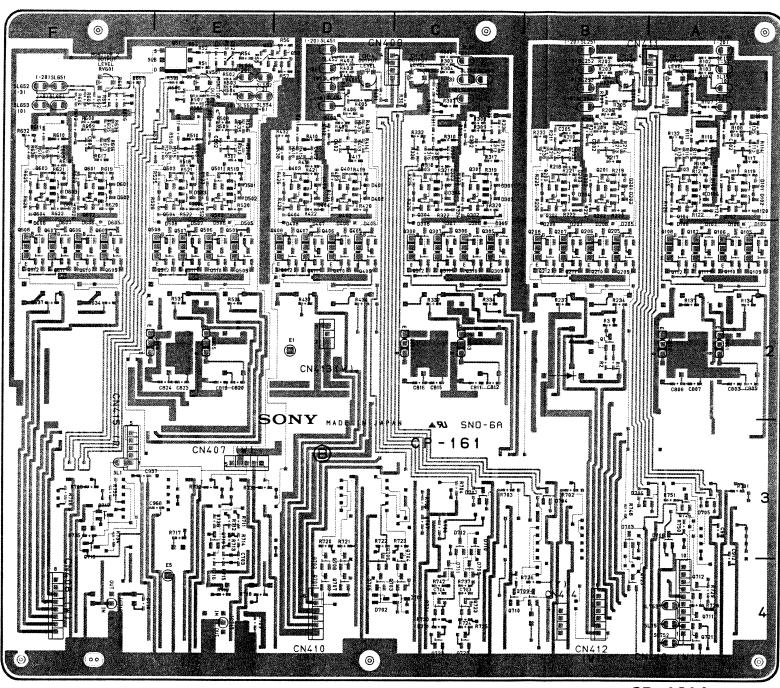
CP-1 6 1 A; AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER HP-3 3; HEADPHONES AMPLIFIER/JACK VR-6 2; HEADPHONES LEVEL VOLUME

S/N 12855 and higher

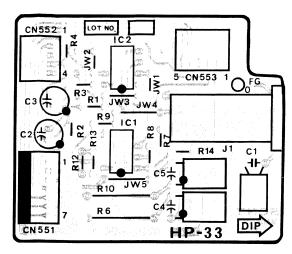


CP-161A -/ 1-635-01- 12 BVW-7; SE PIES





**CP-161A** —B SIDE— 1-635-401-12 BVW-75 SERIES



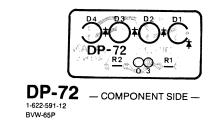
**HP - 33** —COMPONENT SIDE— 1-622-590-13 BVW-75 SERIES

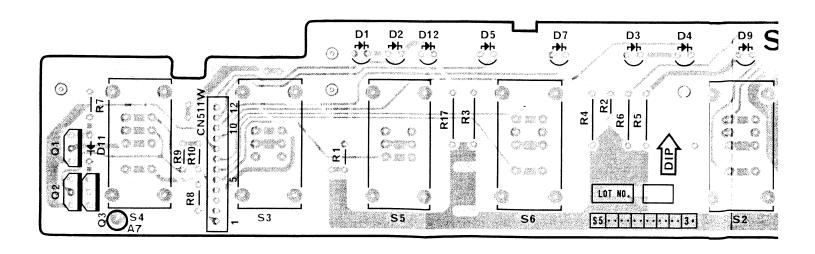


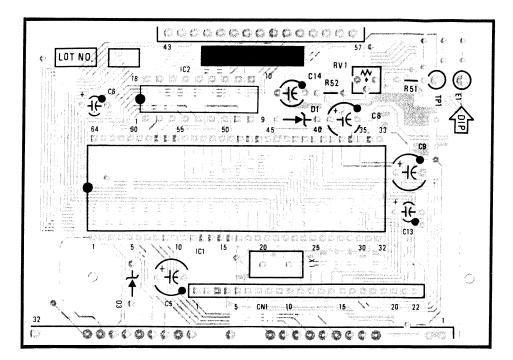
VR - 62 —COMPONENT SIDE— 1-622-589-13 BVW-75 SERIES

SW-144A; SELECT SWITCH/DISPLAY

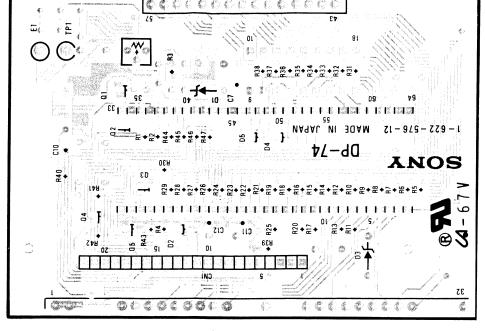
DP-72; RF METER LED
DP-74; AUDIO LEVEL METER CONTROLLER/DRIVER
DP-73; DC-AC/DC CONVERTER



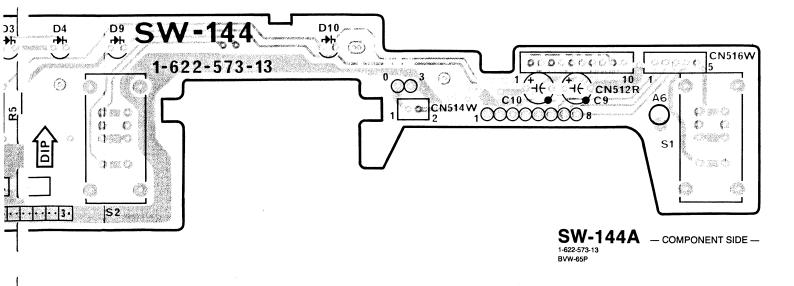


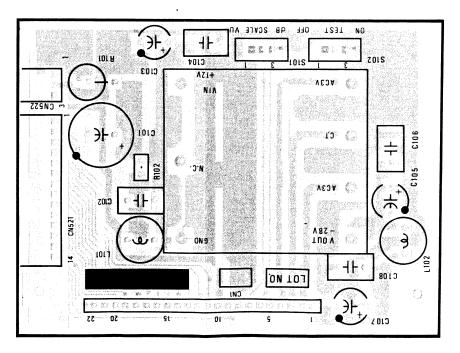


**DP-74** — COMPONENT SIDE — BVW-65P



**DP-74** – SOLDERING SIDE – 504.65P





**DP-73** – SOLDERING SIDE – 80W-65P

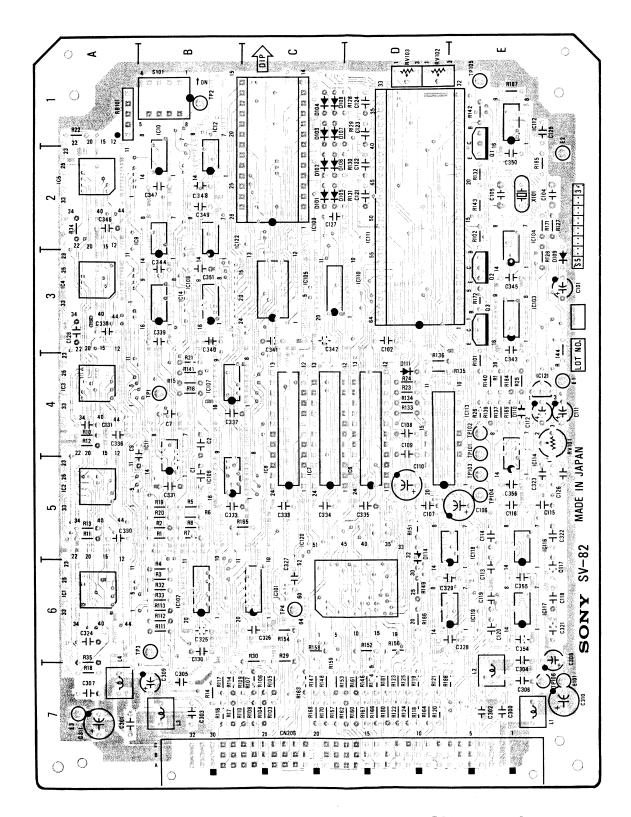
SV-82/82A; MICROCOMPUTER SERVO

SV-82/82A (1-622-582-13)

	21100	PIN NO.				
REF.NO.	TYPE	+ 12V	+ 5V	GND	<b>−5</b> V	-12V
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC 10	μ PD71054G μ PD71054G μ PD71054G μ PD71054G μ PD71054G CFX77074NT CFX77074NT CFX77074NT TC74HC74F SN74HC4024NS		38 38 38 38 23.24 23.24 23.24 14	16 16 16 16 9.12 9.12 9.12 7 7		·
IC 11 IC 12 IC 14 IC 101 IC 102 IC 103 IC 104 IC 105 IC 106 IC 107	TC74HC14F TC74HC14F TC4053BF TC74HC245NS TC74HC244F TC4052BF TC74HCU04F CXK5816M-12L TCX74HC138F TCX74HC138F		14 14 16 20 20 16 14 24 16	7 7.8 10 10 8 6.7 12 8		
IC 108 IC 109 IC 110 IC 111 IC 112 IC 113 IC 114 IC 116 IC 117 IC 118	TCX74HC139F 27256-25 SN74HC373NS \$\mu\$ PD78310CM SN74HC4040NS \$\mu\$ PC648C TL084CNS TL084CNS TL084CNS TL084CNS TC4066BF	20 4 4 4	16 28 20 64 16	8 14 10 32 8		17 11 11 11
IC 119 IC 120 IC 121 IC 122	TC4066BF CXD1095Q NJM78L09A TC74HC08F		14 58 14	7 10.27.42.57 2 7	26	

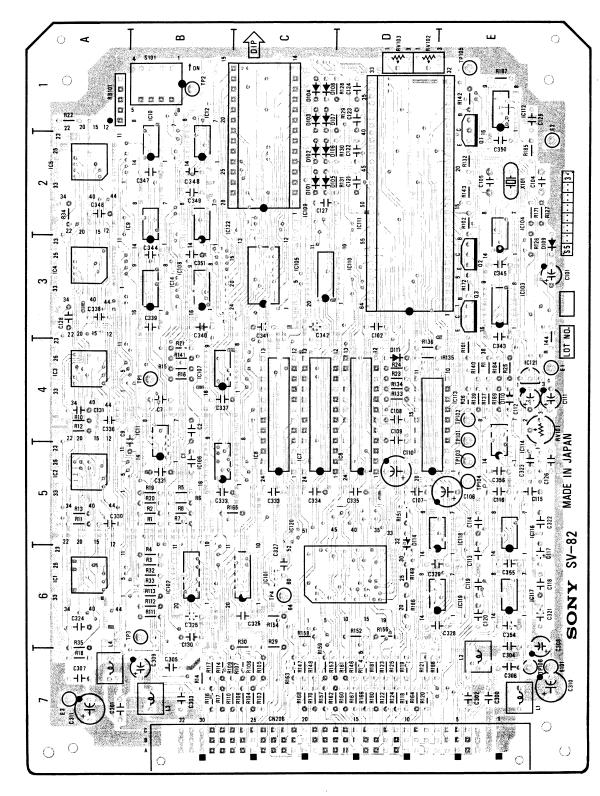
SV-82/82	A (1-622-582-	13)	
CN206	C-7	Q1 Q2	E- E-
D101	C-2	Q3	E-
D102	C-2		
D103	C-1	RV101	E-
D104	C-1 C-1	RV102	D-
D105	C-2	RV103	D-
D106	C-2		_
D107	C-1	S101	B-
D108	C-1	<b>601</b>	
D109	E-3	TP1	B-
D110	E-4	TP2	B-
D111	D-4	TP3	B-I
D114	D-5	TP4 TP101	E-
D1	E-4	TP101	E-
E1 E2	E-2	TP103	E-
E3	A-7	TP104	Ē-
E101	E-7	TP105	E-
E101	D-1	TP106	Ē-
IC1	A-6	100	_
IC2	A-5	X101	E-3
IC3	A-4		
IC4	A-3		
IC5	A-2		
106	D-4		
107	C-4		
IC8 IC9	C-4 B-2		
IC10	B-2 B-2		
ICII	B-4		
IC12	B-2		
IC14	B-3		
IC101	C-6		
IC102	B-6		
IC103	E-3		
IC104	E-2		
IC105	C-3		
IC106	B-5		
IC107	B-4		
IC108	B-3		
IC109 IC110	C-2 C-3		
IC111	D-2		
IC112	E-1		
IC113	D-4		
IC114	E-4		
IC116	E-5		
IC117	E-6		
IC118	D-5		
IC119	D-6		
IC120	C-6		
IC121	E-4		
IC122	B-2		

	SV-82	SV-82A
BVW-60P		0
BVW-65P		0
BVW-70P	0	
BVW-75P	0	
BVW-95P		0
BVW-96P	0	

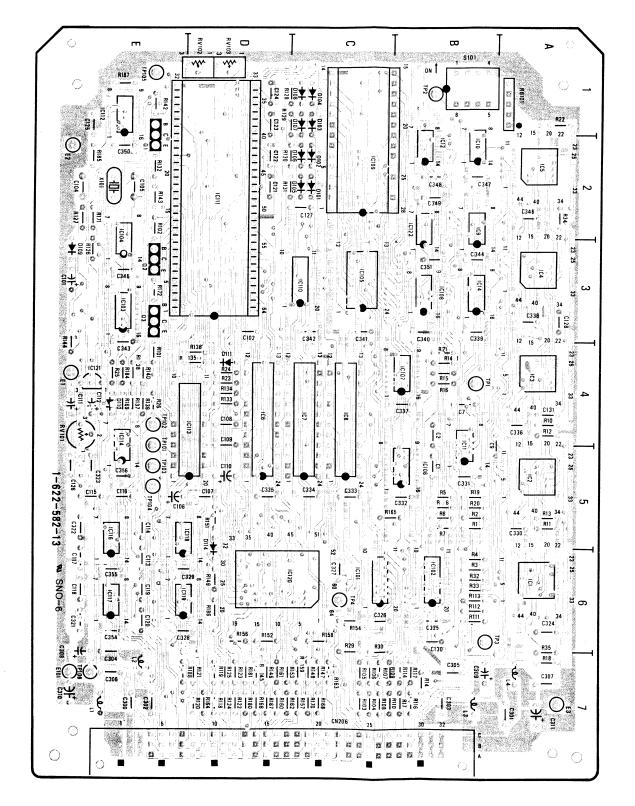


**SV-82/82A** — COMPONENT SIDE ~ 1-622-582-13
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

#### SV-82/82A; MICROCOMPUTER SERVO



**SV-82/82A** — COMPONENT SIDE — 1-622-582-13 BVW-69P BVW-75P BVW-65P BWW-95P BVW-70P BVW-96P



SV-82/82A - SOLDERING SIDE -

1-622-582-13 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

SV-83/83A/83B (1-622-583-12,13)						
REF.NO.	TYPE	+ 12V	+ 5V	GND	-5V	-12V
		+ 12V	+ 3 <b>v</b>	עאט		124
IC 1 IC 2 IC 3 IC 4	µ PC324C TL084CNS TL084CNS NJM4558D-FA TL084CNS	4 4 4 8 4			11 4 11	11 11
IC 5 IC 6 IC 7 IC 8	TL084CNS NJM2903M NJM2903M	4 8 8	12.16	4 4 8	11	11
IC 10 IC 11	CX23028 TC4053BFHB		16	O	7	
IC 201 IC 202 IC 203 IC 204 IC 205 IC 206 IC 207 IC 208 IC 209 IC 210	BX3915A TC4053BFHB TC4538BF TC504013BF TC4081BF NJM2903M TC4538BF TC4024BF TC4024BF NJM2903M	*	16 16 14 14 14 16 14 14	2.8 7.8 8 7 7 4 8 7 7		
IC 211 IC 212 IC 213 IC 214 IC 215 IC 216 IC 217 IC 218 IC 219 IC 220	TC4011BF TC4011BF TC504013BF TC4538BF TC4538BF TC504013BF TC504013BF TC4538BF TC4053BFHB TC4053BFHB		14 14 14 16 16 14 14 16 16 16	7 7 7 8 8 7 7 8	7	
IC 221	TC4030BF		14	7		

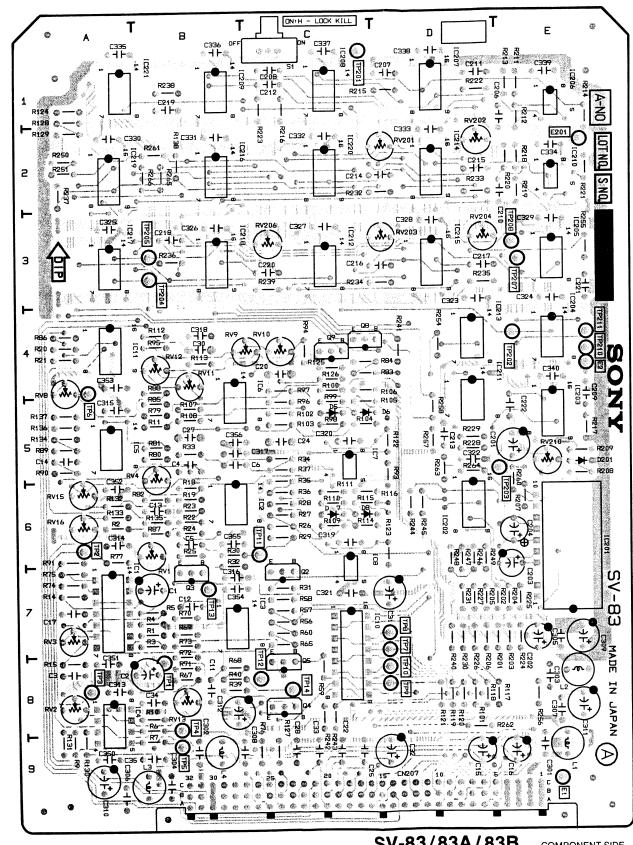
\* REFER TO SCHEMATIC

	sv-83	SV-83A	SV-83B
BVW-60P			0
BVW-65P			0
BVW-70P		0	
BVW-75P	0		
BVW-95P			0
BVW-96P	0		

SV-83/83A/83B (1-622-583-12,13) TP1 TP2 TP3 TP4 CN207 A-6 A-8 B-9 D5 D6 D7 D8 D201 C-5 C-6 TP5 TP6 TP7 B-9 C-6 E-5 TP8 D-7 E1 E2 E201 E-9 TP9 TP10 E-4 E-2 TP11 TP12 B-8 B-7 C-8 TP13 TP14 A-7 B-6 B-7 A-8 A-5 B-5 C-7 C-8 A-4 E-6 D-6 E-5 E-4 E-3 E-1 TP14 TP201 TP202 TP203 TP204 TP205 TP207 TP208 TP210 TP211 C-1 E-4 E-6 A-3 A-3 E-3 E-4 E-4

IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC10
IC11
IC201
IC202
IC203
IC204
IC205
IC206
IC207
IC208
IC206
IC211
IC212
IC213
IC214
IC215
IC216
IC217
IC218
IC217
IC218
IC210
IC210
IC210
IC211 B-1 E-2 D-5 C-3 D-4 D-2 D-3 B-2 A-3 B-3 A-2 C-2 A-1 92 93 94 95 98 99 C-7 B-7 C-8 C-8 C-4 C-4 RV1 RV2 RV3 RV4 RV8 RV9 B-7 A-8 A-7 A-5 A-4 B-4 B-4 A-4 B-8 A-6 A-6 D-2 D-2 D-3 D-3 RV10 RV11 RV13 RV16 RV201 RV202 RV203 RV204 RV206 B-3 E-5 RV210 A-3 Sl

#### SV-83/83A/83B; REEL SERVO

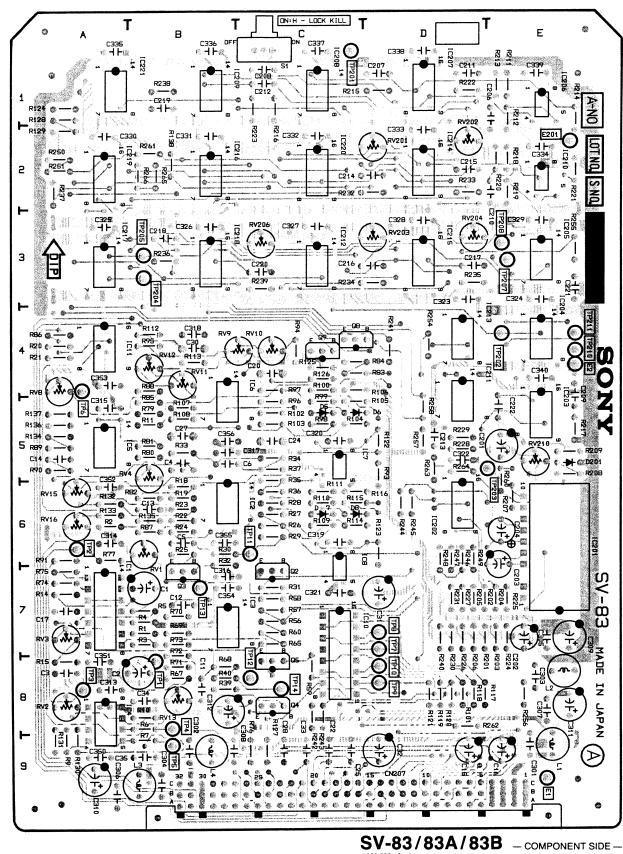


SV-83/83A/83B - COMPONENT SIDE -

1-622-583-12 ,13 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

8 B

#### SV-83/83A/83B; REEL SERVO



SV-83/83A/83B — COMPONENT SIDE —

1-622-583-12,13

BVW-60P BVW-75P

BVW-59P BVW-96P

BVW-70P BVW-96P

R128 R129 583 R251 2 68 3 © 1 F اَيْخُ كُلُ R102 R103 € —€ R137 C24 C356 € —€ RB9 5 € -| }-© E14 R75 R74 R74 RV3 다. · 변.

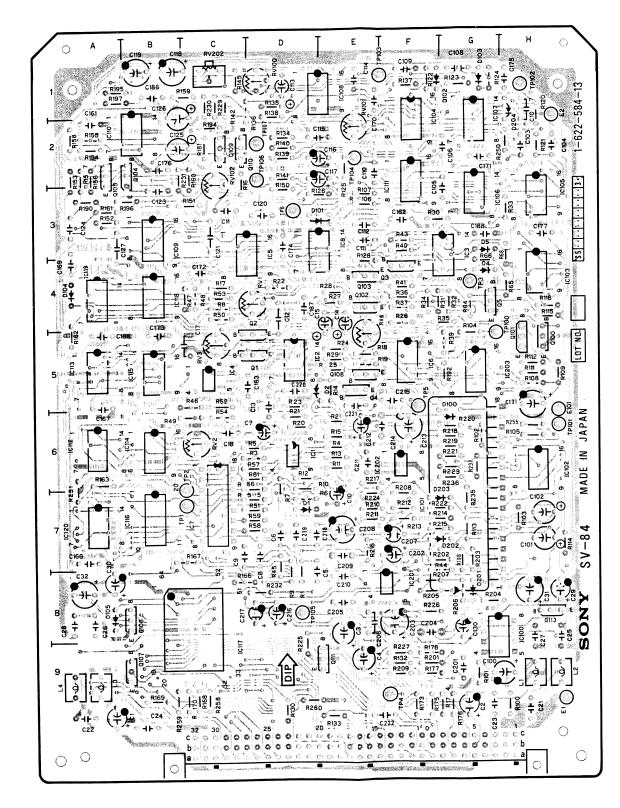
**SV-83/83A/83B** — SOLDERING SIDE —

1-622-583-12 ,13 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P SV-84P (1-622-584-13)

SV-84P	(1-622-584-13)						
מת אמ	TYPE			PIN	NO.		
PRE.NO	lirc	V REF.	+12V V	+50	GND	- 5V	-12V
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 100 IC 101	NJM2903M TL084CNS TL084CNS NJM2903M TC4538BF TC4053BFHB CX23028 TC4011BF NJM4558D-D BX3914	* *	4 4 8 16	16 12.16 14 4 *	4 8 8 8 7 *	11 11 7 *	* *
IC 102 IC 103 IC 104 IC 105 IC 106 IC 107 IC 108 IC 109 IC 110 IC 111	TC4053BFHB TC4053BFHB TC4053BFHB TC453BFF TC4001BF TC4071BF TC453BBF SN74L5221NS TL084CNS TC4538BF		16 16 16	16 14 14 16 16	8 8 8 7 7 8 8		11
IC 112 IC 113 IC 114 IC 115 IC 116 IC 117 IC 118 IC 119 IC 120 IC 201	TC40H000F SN74HC193F SN74HC193F SN74LS683NS CXD1095Q TC74HC4049F TC74HC74F TC74HC32F			14 14 16 16 20 26.58 1 14 14 8	7 7 8 8 10 10.25.42.57 8 7 7		
IC 202 IC 203			16	8	4 8		

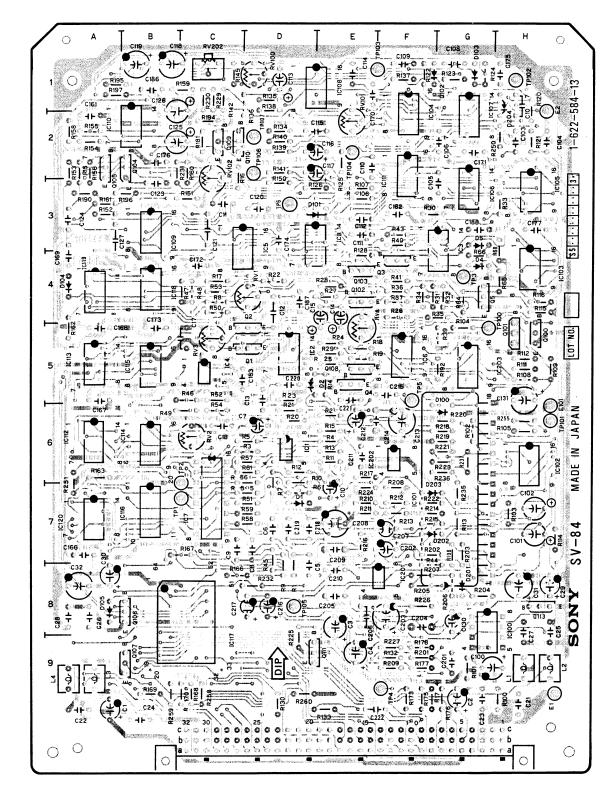
\*REFER TO SCHEMATIC

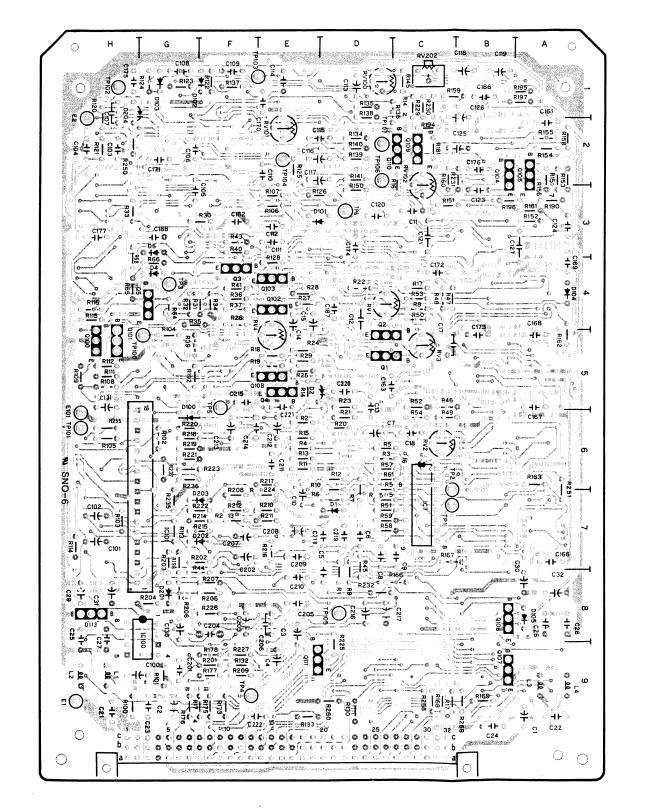
SV-84P	(1-622-584-13)		
CN208	E-9	Q1	D-5
D1 D2 D4 D5 D100 D101 D102 D103 D104 D105 D201 D202 D203 D204	D-7 D-5 G-4 G-3 G-6 D-3 F-1 G-1 A-8 G-8 F-7 F-7	92 93 94 95 9100 9101 9102 9103 9104 9105 9106 9107 9108 91109 9110	D-5 F-4 E-4 H-5 H-5 E-4 B-2 B-9 C-2 D-9
E1 E2	H-9 H-1	Q113	H-8
E101	H-6	RV1 RV2	D-4 C-6
IC1 IC2 IC3 IC4 IC5 IC6	D-6 D-5 G-3 C-5 D-3 F-5	RV3 RV4 RV100 RV101 RV102 RV202	C-5 E-5 D-1 E-2 C-2 C-1
IC7 IC8 IC100 IC101 IC102 IC103 IC104 IC105 IC106 IC107 IC108 IC109 IC110 IC111 IC112 IC113 IC114 IC115 IC116 IC117 IC118 IC119 IC120 IC201 IC202 IC203	C-7 E-8 G-87 H-4 F-1 H-3 G-21 B-2 E-3 B-5 F-5 B-5 B-5 C-4 A-7 F-8 G-5 F-6 B-7 B-4 F-8 G-7	TP1 TP2 TP3 TP4 TP5 TP6 TP100 TP101 TP102 TP103 TP104 TP105 TP106 TP107	C-7 C-7 G-4 F-9 F-3 G-5 H-6 H-1 E-2 D-8 D-2



**SV-84P** — COMPONENT SIDE — 8VW-60P BVW-75P BVW-95P BVW-96P BVW-96P

### SV-84P; CAPSTAN/DRUM SERVO





**SV-84P** -- COMPONENT SIDE -1-622-584-13
BWW-60P BWW-75P
BWW-65P BWW-95P
BWW-70P BWW-96P

**SV-84P** — SOLDERING SIDE — BVW-66P BVW-75P BVW-65P BVW-96P

#### RE-28 (1-622-559-11, 12)

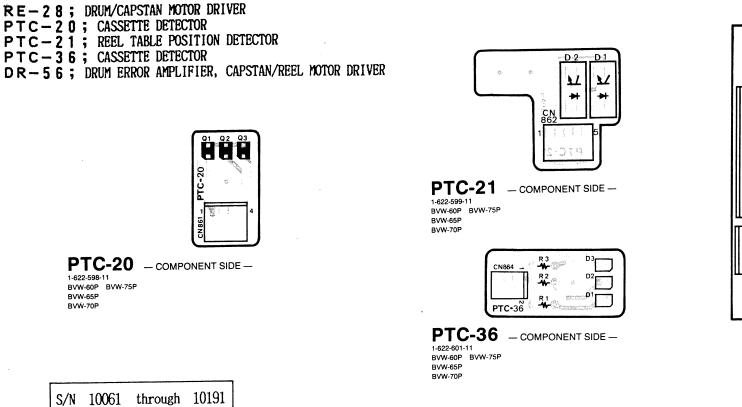
···	munc.	PIN	NO.
REF. NO.	TYPE	+12V	GND
IC 1	CX877	8	9

RE-28	(1-622-559-11,	12)
CN811 CN812 CN813 CN814 CN815 CN816 CN817 CN818 CN819 CN820 CN821 CN822 CN823 CN824	C-2 D-2 B-2 C-1 C-1 D-1 D-1 D-1 A-1 A-2 B-1	
D1	B-1	
E1	D-2	
IC1	B-1	
91 92 93 94 95 96	D-2 D-1 D-2 C-2 B-2 B-2	

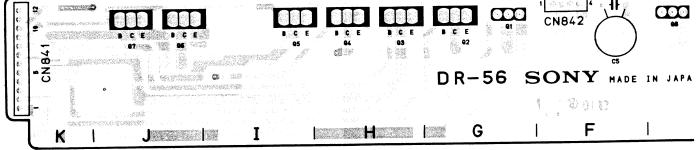
DR-56 (1-622-561-11, 12)

CN841 K-1
CN842 F-1
CN843 A-1

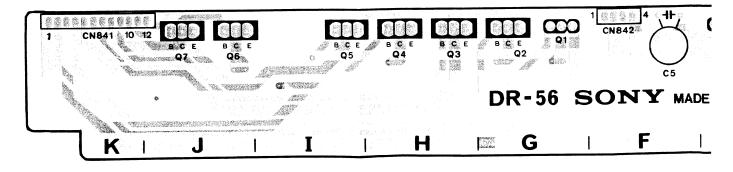
Q1 G-1
Q2 G-1
Q3 H-1
Q4 H-1
Q5 I-1
Q6 J-1
Q7 J-1
Q8 E-1
Q9 E-1
Q10 D-1
Q11 C-1
Q12 B-1

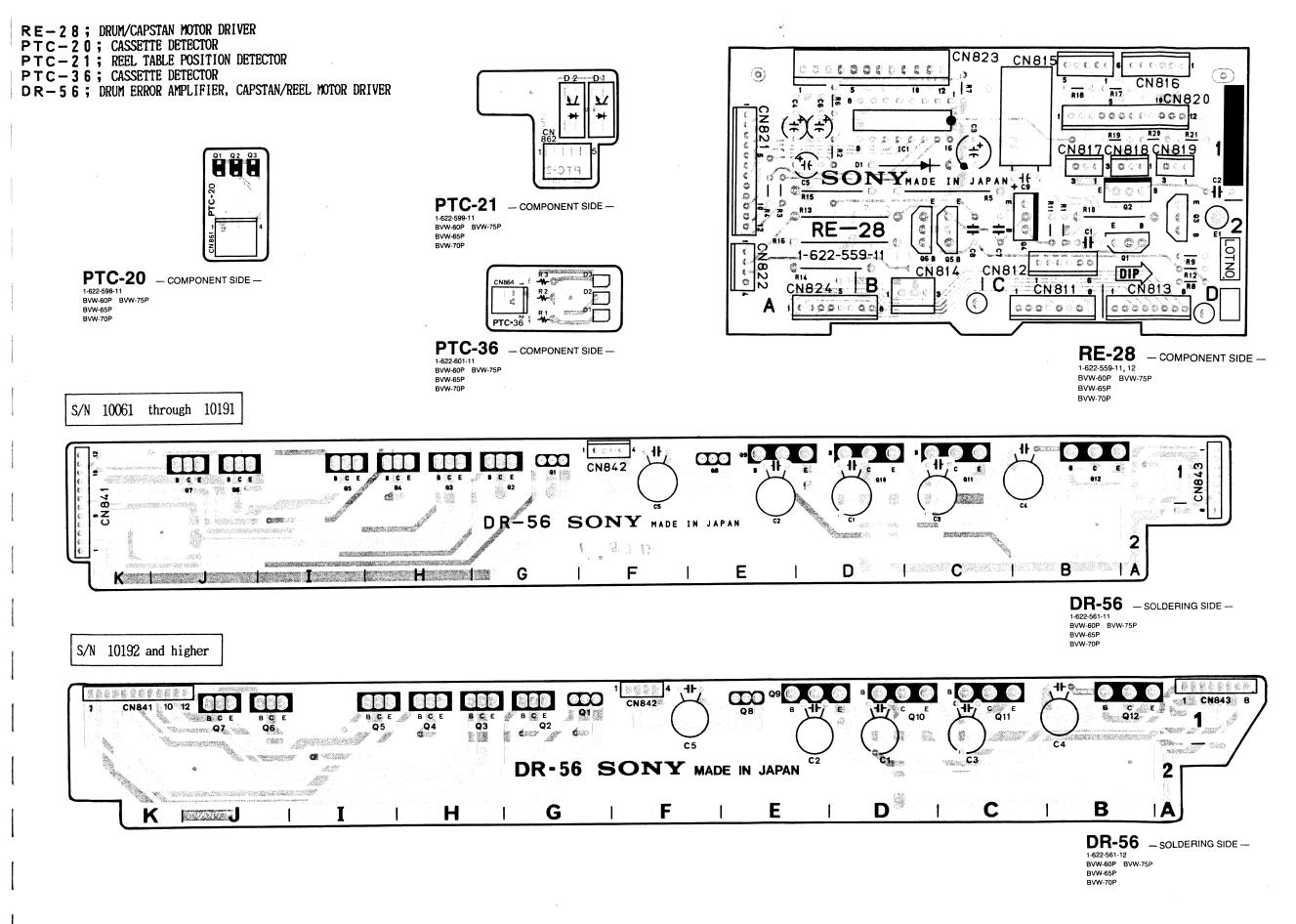


5/N 10001 tilrough 10151



S/N 10192 and higher





### RE-36 (1-622-560-11)

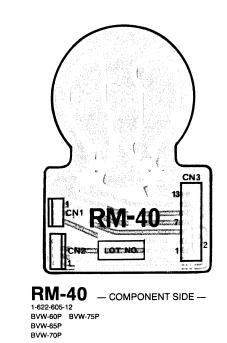
Γ.	NDD 110	<b>TUDE</b>	PIN	NO.
'	REF.NO	TYPE	+ 12V GND	GND
	C 101	NJM4562D-D NJM4562D-D	8	4

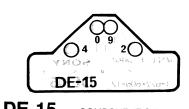
CN801 CN802 CN803 CN804 CN805 CN806 CN807 CN808 CN809 CN810 CN811 CN812 CN813	C-1 J-2 H-1 H-2 H-2 D-1 J-1 J-1 J-2 C-1 C-1
D1	J-1
D2	J-2
IC101	D-2
IC201	D-2
91	G-2
92	F-2
93	E-2
94	G-2
9101	C-1
9102	C-1
9201	C-2
9202	C-2

RE-36; REEL MOTOR DRIVER RM-40; REEL MOTOR RE-36 (1-622-560-11)

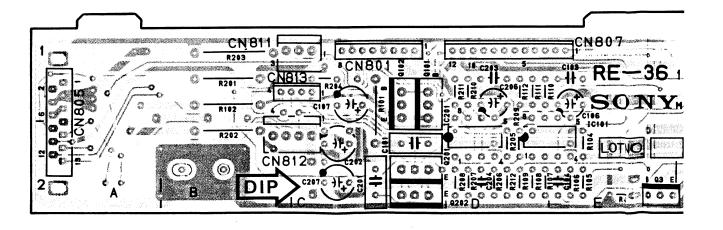
DE-15; REEL MOTOR FG SE-57; THREADING MOTOR CONTROL

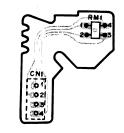
PTC-31; THREADING MOTOR FG TR-18; TAPE TENSION DETECTOR





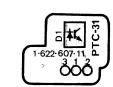
**DE-15** — COMPONENT SIDE — BVW-60P BVW-75P BVW-70P



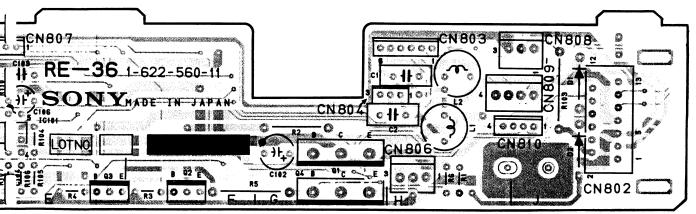


TR-18 — SOLDERING SIDE —

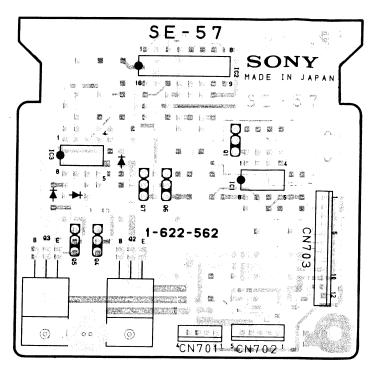
1-611-279-11 BVW-60P BVW-75P BVW-65P BVW-70P



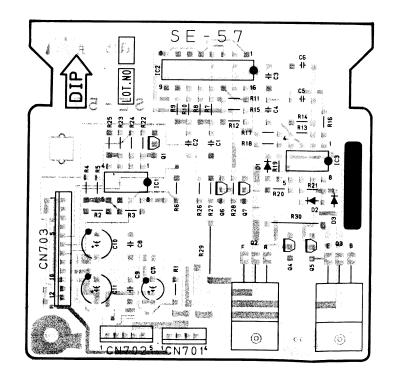
PTC-31 — COMPONENT SIDE — BVW-65P BVW-75P BVW-70P







**SE-57** — COMPONENT SIDE —
1-622-562-12
BVW-60P BVW-75P
BVW-70P



**SE-57** — SOLDERING SIDE —
1-622-562-12
BVW-65P
BVW-75P
BVW-70P

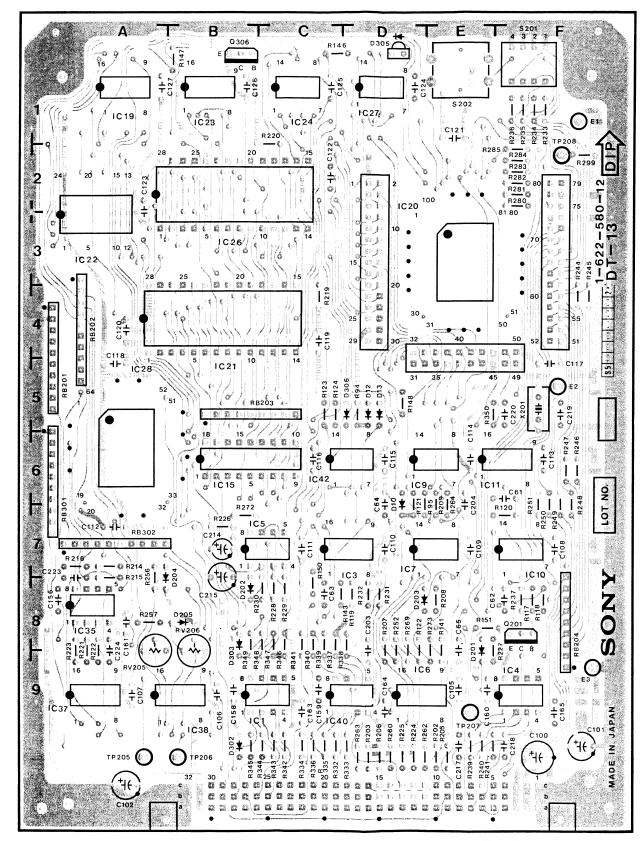
### DT-13; DYNAMIC TRACKING

DT-13 (1-622-580-12)

DDE NO	ТУРЕ	PIN NO.				
PRE.NO	TIPE	+ 12V	+ 12V + 5V		-12V	
IC 1 IC 3 IC 4 IC 5 IC 6 IC 7 IC 9 IC 10 IC 11 IC 15	μ PC4558C SN74HC368NS μ PC4558C NJM2903D TC4050BF TC4030BF TC4001BF TC4081BF TC4538BF MSM5204ARS	8	14 8 1 14 14 14 16 18	7 4 8 7 7 7 8 3.10	4	
IC 19 IC 20 IC 21 IC 22 IC 23 IC 24 IC 26 IC 27 IC 28 IC 35	ТС40H163F ТМРZ84C011AF-6 MBM2764-25 СХК5816M-12L ТС40H139F ТС40H032F ТМРZ84C30AP-6 ТС74HC74F СХD1095Q µ PC4558C	8	16 11 28 24 16 14 24 16 16	8 29 14 12 8 7 5 8 8	4	
IC 37 IC 38 IC 40 IC 42	TC4053BF TC4053BF µ PC4558C TC504013BF	8	16 16 14	8 8 7	4	

DT-13	(1-622-580-12)
CN1	D-9
D10 D12 D13 D201 D202 D203 D204 D205 D302 D303 D305 D306	D-6 D-5 D-5 E-8 B-8 D-8 B-7 B-8 B-9 B-9 B-8
E1 E2 E3	F-1 F-5 F-9
IC1 IC3 IC4 IC5 IC6 IC7 IC9 IC10 IC11 IC15 IC20 IC21 IC22 IC23 IC22 IC23 IC24 IC26 IC27 IC28 IC35 IC37 IC38 IC40 IC42	C-9 D-7 F-9 C-7 D-9 E-6 F-7 F-6 B-6 B-1 E-3 B-4 A-3 B-1 C-2 D-1 A-6 A-9 D-6 D-6
9201 9306	F-8 B-1
RV205 RV206	A-9 B-9
S201 S202	F-1 E-1
TP205 TP206 TP207 TP208	A-9 B-9 E-9 F-2
V001	r c

X201 F-5



**DT-13** — COMPONENT SIDE —

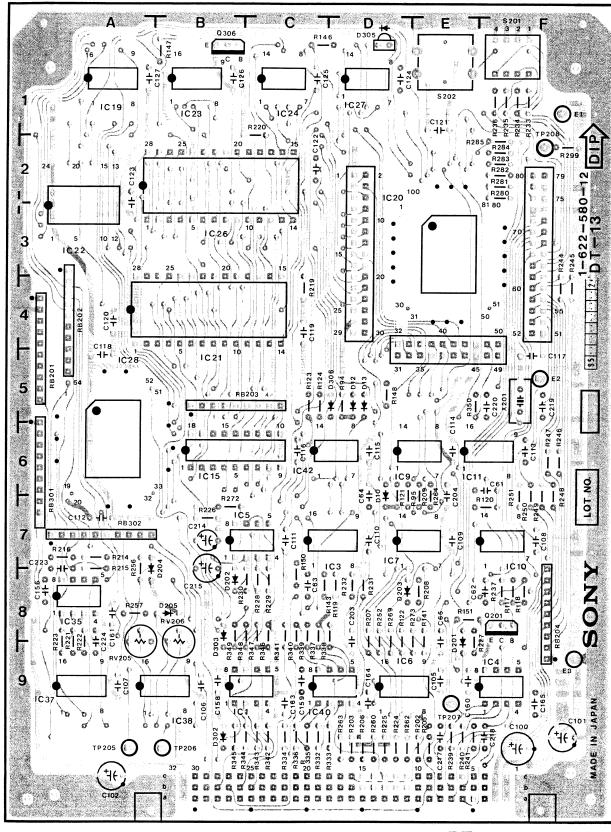
1-622-580-12

BVW-65P BVW-96P

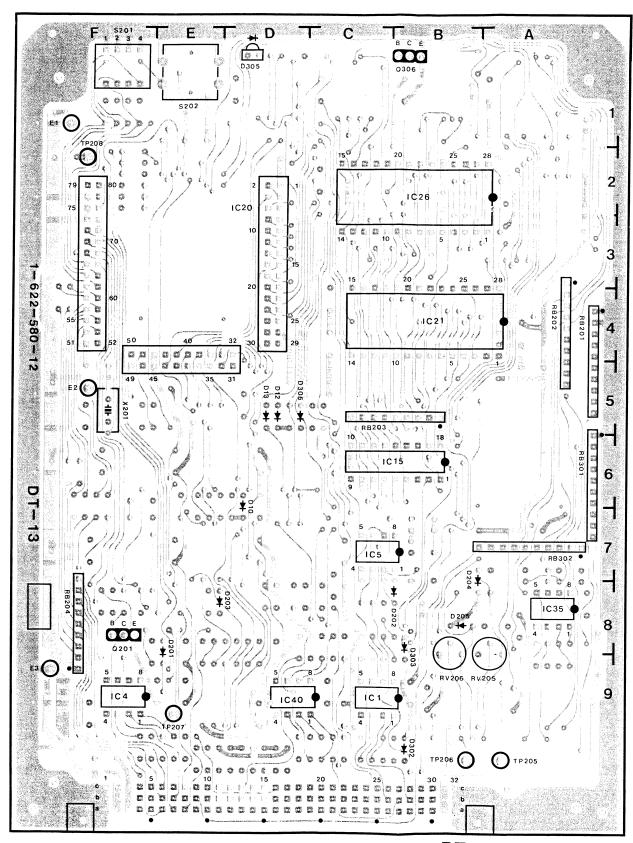
BVW-75P

BVW-95P

### DT-13; DYNAMIC TRACKING



**DT-13** — COMPONENT SIDE —
1-622-580-12
BVW-65P BVW-96P
BVW-75P
BVW-95P



**DT-13** — SOLDERING SIDE — 8VW-65P BVW-96P BVW-95P

D1-141 V	(1-022-301-11)	·					
REF. No	TYPE	PIN NO.			10.	).	
KEF, NO	IIFE	+12V	+90	+50	GND	-12V	
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC 10	НD14538BFP TC504013BF µ PC4558C и PC4558C и PC4558C и PC4558C и PC4558C и PC4558C и PC4558C н PC4558C н PC4558C н PC4558C	888888		16 14	8 7 8 8	4 4 4 4 4 4	
IC 11 IC 12 IC 13 IC 14 IC 15 IC 16 IC 17 IC 18 IC 19 IC 20	μ PC4558C TC4023BF TC4069UBF TC4011BF μ PC4558C μ PC4558C μ PC4558C μ PC4558C μ PC4558C μ PC4558C μ PC4558C	8 88888		14 14 14	7 7 7	4 4 4 4	
IC 21 IC 22 IC 23 IC 43 IC 44 IC 45 IC 46 IC 47 IC 48 IC 50	TC4053BF TC4053BF TC4053BF TC504013BF HD14538BFP TC4030BF HD14538BFP TC504013BF HD14538BFP TC4053BF			16 16 14 16 14 16 14 16 16	8 8 8 7 8 7 8 7 8 8		
IC 51 IC 101 IC 102 IC 103 IC 104 IC 105 IC 106	TC4053BF CX20061 AN608P HA12411 BX3915A NJM2903D HD14538BFP	2 11 10 8	1	16 16	8 5 4 4.14.16 2.8 8	4	

DØ 14D /	1 000 501 11				
DT-14P (	(1-622-581-11)				
CN1	C-8	IC13	C-7	RV2	A-4
		IC14	C-8	RV3	B-5
D1	C-6	IC15	A-8	RV4	B-7
D2	C-1	IC16	B-8	RV5	B-8
D3	C-8	IC17	A-6	RV6	A-1
D4	A-6	IC18	A-5	RV7	A-1
D5	B-1	IC19	A-4	RV203	C-5
D6	A-5	IC20	A-3	RV304	C-4
D7	A-2	IC21	A-7	RV305	D-5
D8	A-5	1C22	B-7		
D9	A-2	IC23	B-1	S1	A-1
D14	B-6	IC43	D-8		_
D15	B-1	IC44	C-5	TP1	C-8
D16	B-7	IC45	C-6	TP2	A-6
D17	A-7	IC46	D-6	TP3	B-2
D301	E-3	IC47	D-5	TP4	A-3
D304	C-6	IC48	D-2	TP5	B-5
				mn/	A C

IC13	C-7	RV2	A-4
IC14	C-8	RV3	B-5
IC15	A-8	RV4	B-7
ici6	B-8	RV5	B-8
ici7	Ā-6	RV6	A-1
IC18	A-5	RV7	A-1
ici9	A-4	RV203	C-5
IC20	A-3	RV304	C-4
IC21	Ä-7	RV305	D-5
1C22	₿-7		
IC23	B-1	S1	A-1
IC43	D-8	J.	
1040	ס כ	<b>PD1</b>	C 0

RV6 RV7 RV203 RV304 RV305	A-1 A-1 C-5 C-4 D-5
<b>S1</b>	A-1
TP1 TP2 TP3 TP4 TP5 TP6 TP7	C-8 A-6 B-2 A-3 B-5 A-6 A-8 C-1

TP1	C-8
TP2	A-6
TP3	B-2
TP4	A-3
TP5	B-5
TP6	A-6
TP7	Ä-8
TP10	C-1
	D-7
TP11	
TP201	D-8
TP202	D-7
TP301	E-6
TP302	E-5
TP303	E-4
TP304	E-4
TP305	D-3
TP306	D-3
TP307	D-4
	D-5
TP308	ม-อ

IC44 IC45 IC46 IC47 IC48 IC50 IC51 IC101 IC102 IC103 IC104 IC105 IC106 C-5 D-6 D-5 D-2 C-4 D-8 E-8 E-7 E-5 E-2 D-6 92 9301 9302 9303 9304 9305 9501

D-1 C-1 E-6 E-6 E-5 E-3 D-4 B-4

TP306 TP307 TP308

A-2 A-1

A-1 A-1

TP8 TP10

DT-15 (1-622-558-12)

E-8 E-2 A-1 A-8

C-3 C-2 D-1 C-1 B-2 A-2 B-4 B-5 D-2 E-1 B-3 B-6

E2 E3 E4

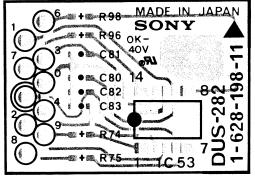
IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12

CN611 CN612	D-1 D-2	1C7 1C8 1C9	D-1 D-2 D-2
D1	A-1	ičio	D-2
D2	A-2		
D3	A-2	Q1	A-1
D4	B-2	<b>Q2</b>	A-1
D5	B-2	96	D-1
D7	D-1	Q <b>7</b>	D-1
D8	D-1	98	D-1
D9	D-2	<b>Q</b> 9	C-1
D11	A-2	910	C-1
D12	D-1	911	C-1
D15	D-2	912	D-2
		913	D-2
El	A-1	Q14	D-2
	•	Q15	C-Ž
F1	B-1	916	C-2
•		Q17	C-2

REF. No	TYPE
---------	------

DT-15 (1-622-558-12)

DDD N	TUDE	PIN NO.	
REF. No	TYPE	+ 12V	-12V
IC 7 IC 8 IC 9 IC 10	NJN4558M NJN4558M NJN4558M NJN4558M	8 8 8	4 4 4



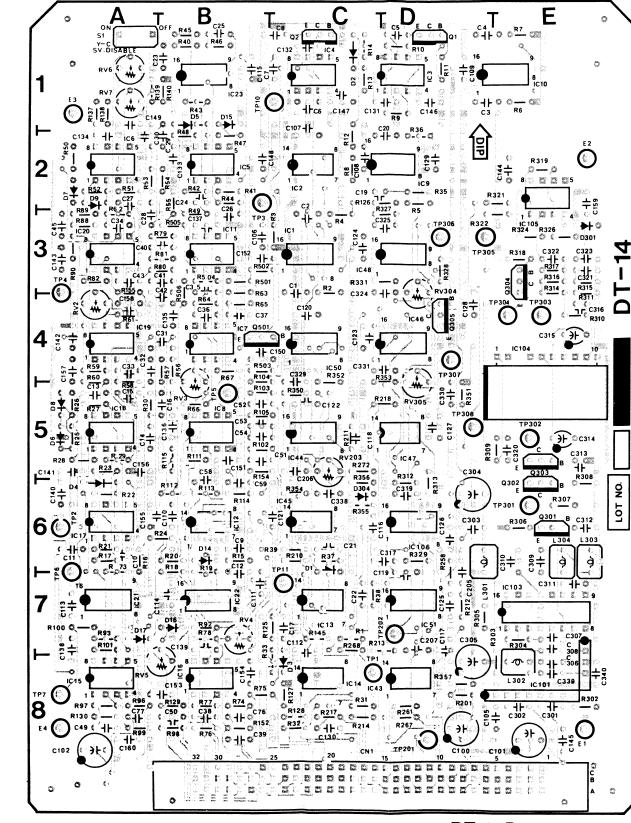
DUS-282 - COMPONENT SIDE -BVW-65P BVW-96P BVW-75P

S/N 10161 and higher

17-137 (a)

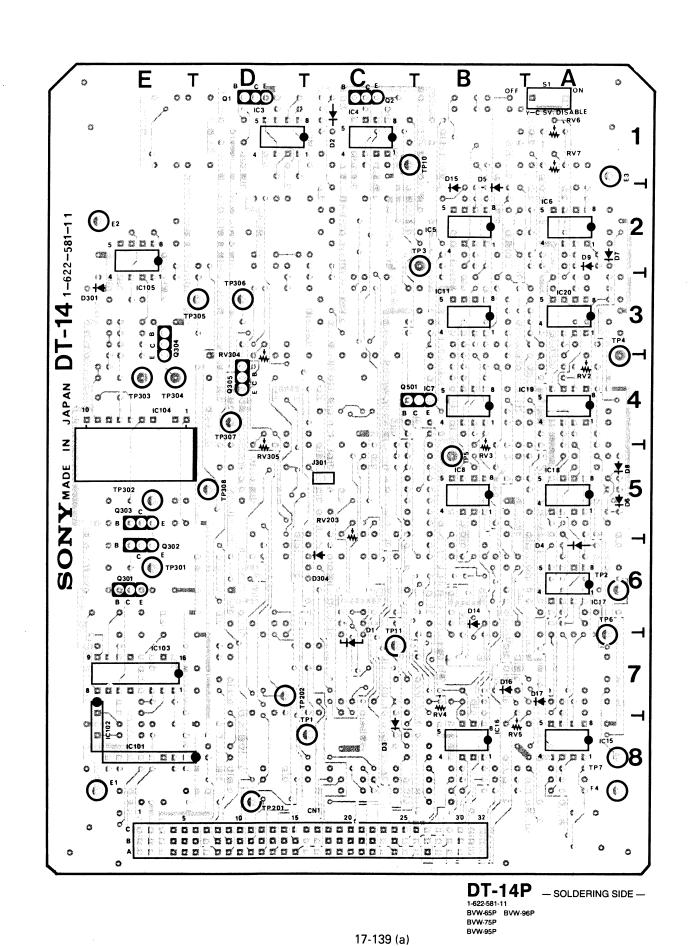
DT-14P; DYNAMIC TRACKING DUS-282; STRAIN GAGE BUFFER DT-15; DYNAMIC TRACKING

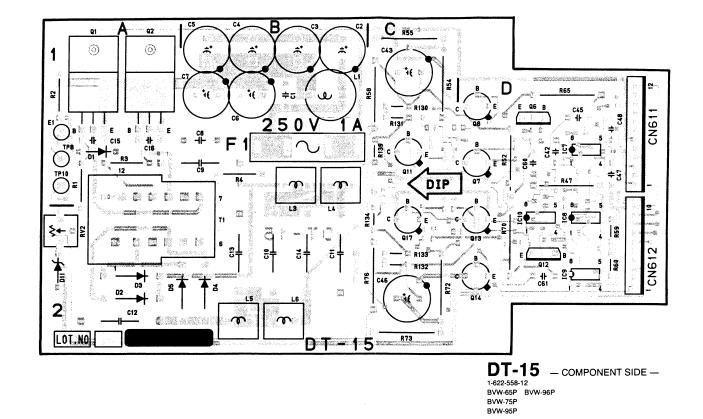
Up to S/N 11676

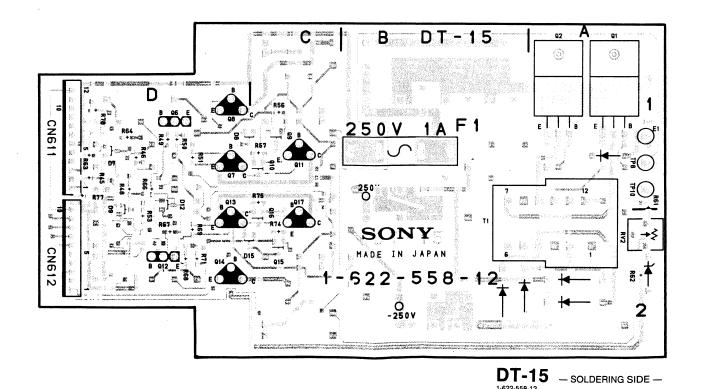


DT-14P - COMPONENT SIDE -1-622-581-11 BVW-65P BVW-96F BVW-75P

17-138 (a)







17-140 (a)

1-622-558-12 BVW-65P BVW-96P BVW-75P BVW-95P C-8

A-6 B-2 A-3 B-5

A-6

A-8 C-1 D-7 D-8 D-7 E-6 E-5 E-4 D-3 D-3 D-4 D-5

A-2

A-1

A-1 A-1

**T1** 

TP8 TP10

TP1

TP2

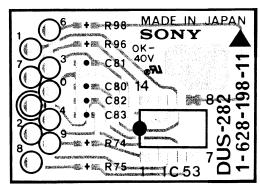
TP3 TP4 TP5 TP6 TP7

TP10 TP11 TP201 TP202 TP301 TP302 TP303 TP304 TP305 TP306 TP307 TP308

	(1-022-361-11)	Τ				
REF. No	TYPE			PIN N	10.	•
KEP, NO	TIFE	+12V	+90	+50	GND	-12V
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC 10	HD14538BFP TC504013BF µ PC4558C µ PC4558C µ PC4558C µ PC4558C µ PC4558C µ PC4558C µ PC4558C HD14538BFP HD14538BFP	8 8 8 8 8		16 14 16 16	8 7 8 8	4 4 4 4 4 4
IC 11 IC 12 IC 13 IC 14 IC 15 IC 16 IC 17 IC 18 IC 19 IC 20	μ PC4558C TC4023BF TC4069UBF TC4011BF μ PC4558C μ PC4558C μ PC4558C μ PC4558C μ PC4558C μ PC4558C μ PC4558C	8 888888		14 14 14	7 7 7	4 4 4 4 4
IC 21 IC 22 IC 23 IC 43 IC 44 IC 45 IC 46 IC 47 IC 48 IC 50	TC4053BF TC4053BF TC4053BF TC504013BF HD14538BFP TC4030BF HD14538BFP TC504013BF HD14538BFP TC4053BF			16 16 14 16 14 16 14 16 16	8887878788	
IC 51 IC 101 IC 102 IC 103 IC 104 IC 105 IC 106	TC4053BF CX20061 ANG08P HA12411 BX3915A NJM2903D HD14538BFP	2 11 10 8	1	16 16	8 5 4 4.14.16 2.8 8	4

DT-15	(1-622-	-558-13,14	D)
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DEE N	TUDE	PIN	NO.
REF. No	TYPE	+ 12V	-12V
IC 7 IC 8 IC 9 IC 10	NJM4558M NJM4558M NJM4558M NJM4558M	8 8 8	4 4 4



DUS-282 — COMPONENT SIDE — 1-628-198-11 BVW-65P BVW-96P BVW-75P BVW-95P

DT-14P (1-622-581-11) A-4 B-5 B-7 B-8 RV2 CN1 C-8 RV2 RV3 RV4 RV5 RV6 RV7 RV203 RV304 RV305 C-1 C-8 A-6 B-1 A-5 A-2 B-6 B-1 B-7 E-3 C-6 A-1 A-1 C-5 C-4 D-5 D8 D9 D14 D15 D16 D17 D301 D304 S1 A-1

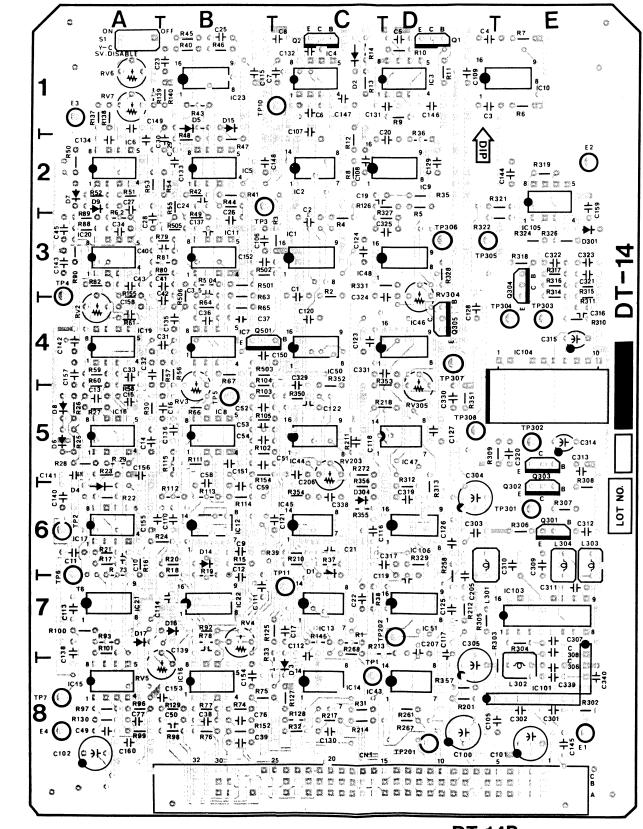
IC13 IC14 IC15 IC16 IC17 IC18 IC19 IC20 IC21 IC22 IC23 IC43 IC45 IC45 IC46 IC47 IC48 IC50 IC51 IC101 IC102 IC103 IC103 IC104 IC105 E-8 E-2 A-1 A-8 E1 E2 E3 E4 IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 C-3 C-2 D-1 C-1 B-2 A-2 B-4 B-5 D-2 E-1 B-3 B-6 Q1 Q2 Q301 Q302 Q303 Q304 Q305 Q501 C-1 E-6 E-6 E-5 E-3 D-4 B-4

DT-15(1-622-558-13,14)

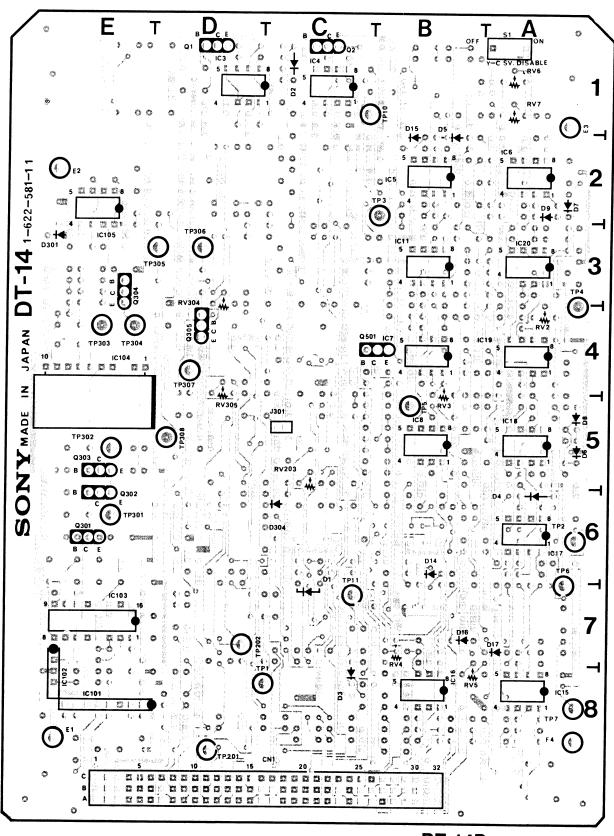
CN611 CN612	D-1 D-2	1C7 1C8 1C9	D-1 D-2 D-2
D1	A-1	icio	D-2
D2	A-2		
D3	A-2	Q1	A-1
D4	B-2	<b>Q2</b>	A-1
D5	B-2	96	D-1
D7	D-1	<b>Q</b> 7	D-1
D8	D-1	98	D-1
D9	D-2	<b>Q</b> 9	C-1
D11	A-2	910	C-1
D12	D-1	911	C-1
D15	D-2	912	D-2
		<b>Q</b> 13	D-2
E1	A-1	Q14	D-2
	_	Q15	C-2
F1	B-1	<b>Q</b> 16	C-2
		017	C-2

DT-14P; DYNAMIC TRACKING DUS-282; STRAIN GAGE BUFFER DT-15; DYNAMIC TRACKING

S/N 11677 and higher



DT-14P \_ COMPONENT SIDE \_ 1-622-581-11 BVW-65P BVW-96P BVW-75P BVW-95P



17-139 (b)

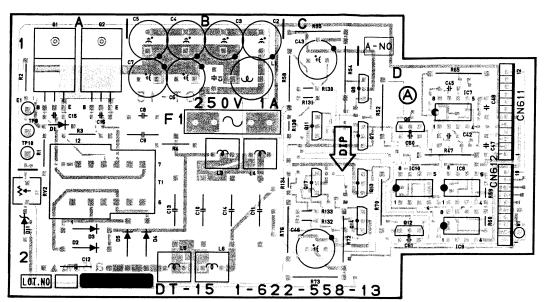
E 2

313 1F R308

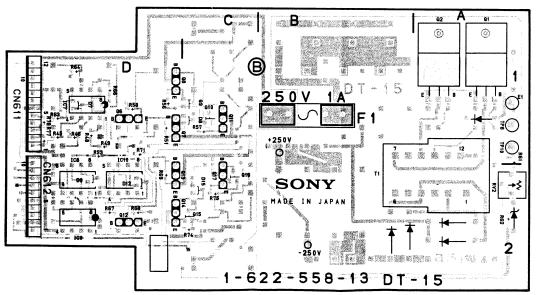
C312 TH L30 C312 R30° E1

IEN SIDE -





DT-15—COMPONENT SIDE—
1-622-558-13, 14
8VW-65P BVW-96P
BVW-75P
BVW-95P



DT-15—SOLDERING SIDE—
1-622-558-13, 14
BVW-65P BVW-96P
BVW-75P
BVW-95P

CN3 CN4 CN5 CN6 CN7 CN8 CN9 CN10 CN301 CN302

CV101 CV102

D101

D102 D103 D201 D202 D203 D204 D205 D206 D301 D302

E1

E3 E4 E5

IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC16

IC19 IC20 IC21 IC22 IC23 IC24 IC25 IC26 IC27

D-1

H-4

A-1 A-12 D-7

H-1 H-12

A-2 A-3 A-45 A-57 B-12 B-3 B-51 C-28 C-7 D-7 D-8 C-11

### SY-61/61A/61B/61C (1-622-577-14)

31-01/01	4/61B/61C (1-022		i NO.
REF.NO.	TYPE	+ 5 <b>V</b>	GND
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC 10	SN74LS244N SN74LS245N SN74LS244N MBM2212-25P CXK5816PN-12L MBM27C256-25 TMPZ84C011AF TC74HCU04P M54529AP TC74HC11P	20 20 20 18 24 28 27.51.90 14 1.14 14	10 10 10 8 12 14 28.50.77.100 7
IC 11 IC 12 IC 13 IC 14 IC 15 IC 16 IC 17 IC 18 IC 19 IC 20	TC74HC138P TC74HC138P TC74HC14P TC4050BP TC4053BPHB TC74HC595P TC74HC597P NJM78L05A MB88303 AM26LS30PC	16 16 14 1 16 16 16 22 1	8 8 7 8 7.8 8 8 3 11 4.5.8
IC 21 IC 22 IC 23 IC 24 IC 25 IC 26 IC 27 IC 28 IC 29 IC 30	MC34051P TMPZ84C011AF TC74HC245P TC74HC245P	16 16 24 14 8 16 27.51.90 20 20 24	8 8 12 7 4 8 28.50.77.100 10 10 5
IC 31 IC 32 IC 33 IC 34 IC 35 IC 36 IC 36 IC 36 IC 36 IC 36 IC 36	M54529AP TC4030BP TC4030BP TC74HC08P SN74LS697N M54529AP CXD1095Q MBM27C512-25	1.14 1.14 14 14 20 20 1.14 26.58 28	7 7 7 7 10 10 7 10.25.42.57 14 14
IC 4 IC 4 IC 4	2   TC74HC32P 3   TC74HC32P 4   TC74HC00P	9 14 14 14 11 14 16 14 14	31 7 7 7 3 7 8 7 7
IC 5	1 TC74HCU04P 52 TC74HC139P TC74HC02P	14 14 14	7 7 7

\* REFER TO SCHEMATIC

## SY-61/61A/61B/61C; SYSTEM CONTROL

SY-61/61A/61B/61C (1-622-577-14) IC28 IC29 IC30 IC31 IC32 IC33 IC34 IC35 IC36 IC37 IC38 IC40 IC41 IC42 IC43 IC44 IC45 IC47 IC48 IC49 IC50 IC51 IC51 IC52 C-10 B-9 B-2 NOTE SERIAL NO. CHANGE INFORMATION MARK A-10 E-5 S/N 10575 IC15 TC4053BP → D-4 D-6 D-5 G-1 B-1 TC4053BPHB IC39 MBM27C256-25 → MBM27C512-25 C-7 C-7 C-12 D-6 D-6 C-1 C-1

H-4 H-5 H-7 H-8 H-9

H-11 C-3

E-12 C-12 B-12 B-12 A-11 D-12 F-12 D-3 E-3 G-12 H-6

F-7 H-7 G-6 D-11 D-11 H-10

C-11 C-11 G-6 G-6 A-12 C-12

D-12 H-8

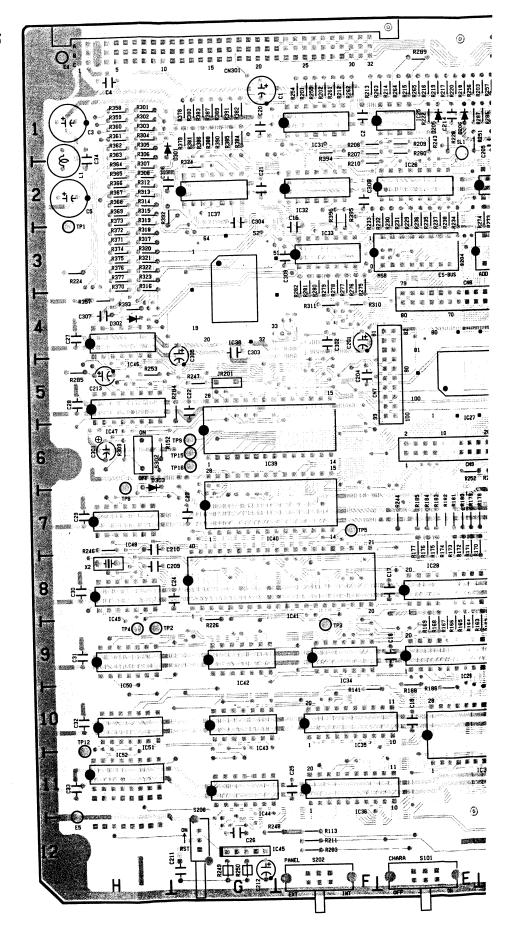
\$101 \$102 \$103 \$105 \$106 \$201 \$202 \$203 \$204 \$206 \$302

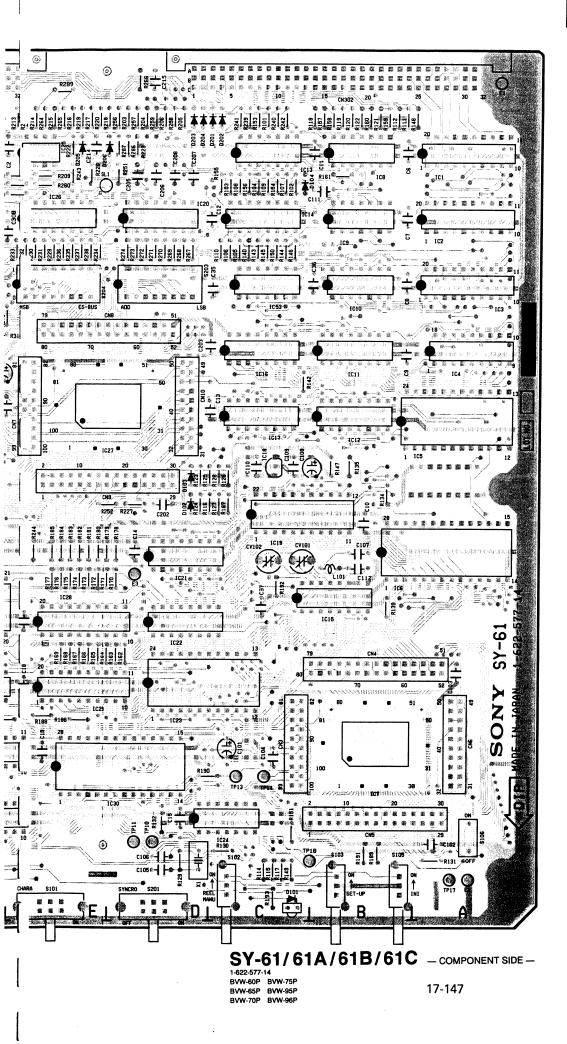
TP1 TP2 TP3 TP4 TP5 TP8 TP9 TP10 TP11 TP12

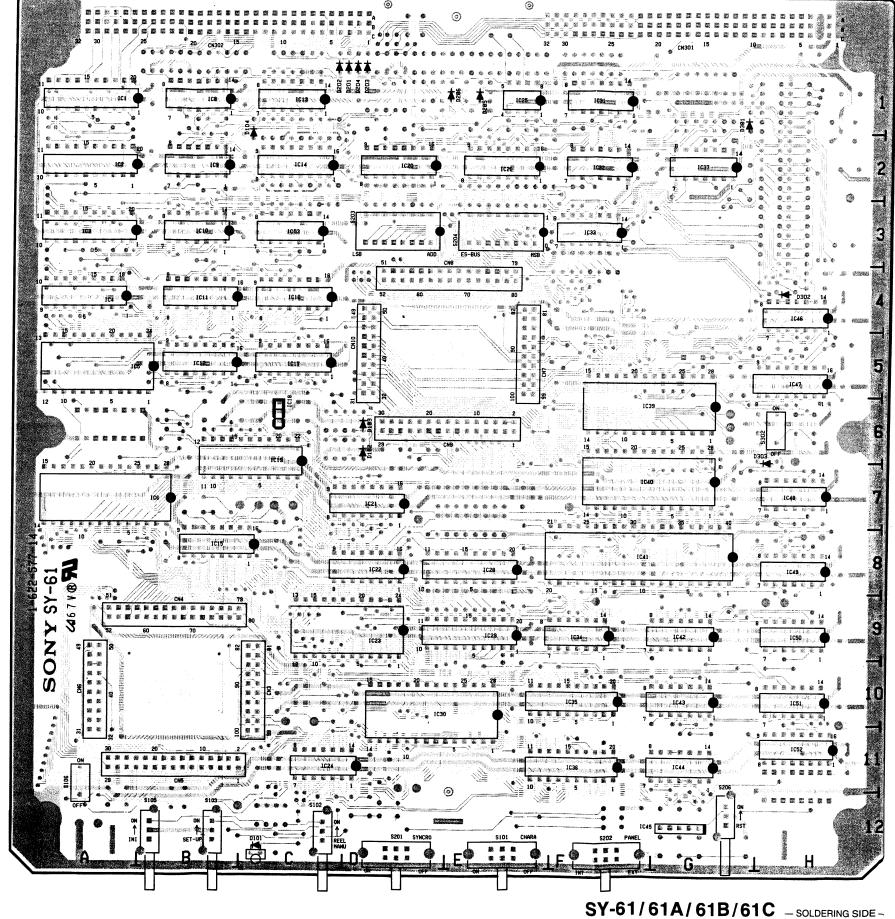
TP13 TP14 TP15 TP16 TP17 TP18

X1 X2

	SY-61	SY-61A	SY-61B	SY-61C
BVW-60P		0		
BVW-65P		0		
BVW-70P	0			
BVW-75P	0			
BVW-95P			0	
BVW-96P				0







1-622-577-14 BVW-60P BVW-75P BVW-65P BVW-95P 17-148

# SY-64AP; SYSTEM CONTROL, TIME CODE READER, TIME BASE IMPACT ERROR CORRECTOR

SY-64AP (1-622-578-21)

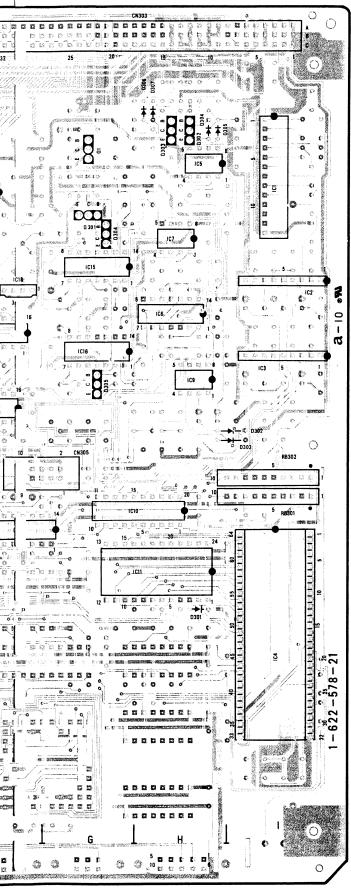
					PIN	NO.		
REF.No.	ТУРЕ	UNREG + 15V	UNREG + 14V	+ 12V	+ 5V	GND	UNREG GND	-12V
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 9 IC 10 IC 11	BX-343 LA7205 LA7205 \$\mu\$ PD78312CW-607 TL082CP TC4016BPHB TL082CP TL05248CP SN74HC373N CXK5816P-12L	·		13 8 8	8 64 14 8 20 24	7 5 5 32 7 4 10		4
IC 15 IC 16 IC 17 IC 18 IC 19 IC 20 IC 21 IC 25 IC 26 IC 27	TL084CN TL084CN TL082CP AN608P PA0009 SN74LS123N TC74HC04P SN74LS123N TC4050BP TC74HC00P			4 4 8 2 4	16 14 16	4 4 6 8 7 8 8 7		11 11 10
IC 30 IC 31 IC 32 IC 34 IC 35 IC 36 IC 37 IC 38 IC 39 IC 40	TA7267P TA7267P TC4538BP TC74HC32P TC4001BP	1.8	7 7		16 14 14 16 14 1 26.58	7 8 7 8 7 8 7 8 10.27.42.57	4.5.12.13	
IC 41 IC 42 IC 43 IC 44 IC 45 IC 46 IC 47 IC 48 IC 49 IC 50	TC74HC08P CXK5816P-12L TC74HC240P CX-7913A M54523P CXD1095Q CXD1095Q TC74HC04P CXK5816P-12L TC74HC244P	9			14 24 20 47.61 26.58 26.58 14 24 20	7 12 10 40.54 10.27.42.57 10.27.42.57 7 12 10	8	
IC 51 IC 52 IC 53 IC 54	CX-7912A TC74HC4050P µPD4013BC TC74HC4538P				47.61 1 14 16	40.54 8 7 8		

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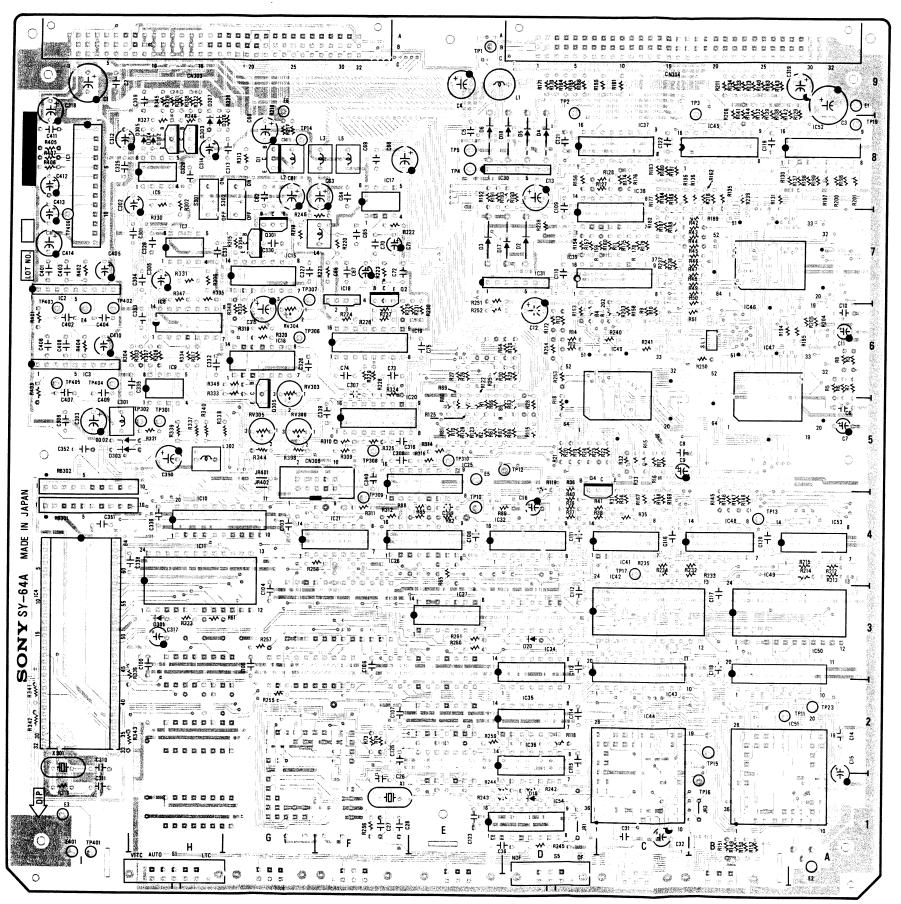
NOIL		
MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC6 TC4016BP → TC4016BPHB	s∕n 10770 ∼

SY-64AF	(1-622-578-21)		
CN303 CN304 CN305	H-9 C-9 F-5	91 92 94 9301	G-8 F-7 C-4 G-7
D2 D3 D4 D5	D-7 E-7 D-8 D-8	9302 9303 9304 9305	H-8 H-8 G-7 G-5
D6 D17 D18 D19 D20	E-8 D-7 D-8 D-1 D-3	RV303 RV304 RV305 RV399	G-5 G-6 G-5 G-5
D301 D302 D303 D304 D305 D306	H-3 I-5 I-5 H-8 H-8 H-8	S1 S5 S301 S302	H-1 D-1 H-8 G-8
D307	H-8	SL1	B-6
E1 E2 E3 E4 E5 E6 E401	A-9 A-1 I-1 I-6 E-5 G-8 I-1	TP1 TP2 TP3 TP4 TP5 TP10 TP11 TP12	E-9 D-9 B-9 E-8 E-8 E-4 B-2 D-5
ICI IC2 IC3 IC4 IC5 IC6 IC7 IC9 IC10 IC11 IC15 IC16 IC17 IC18 IC20 IC21 IC21 IC22 IC22 IC23 IC30 IC31 IC32 IC34 IC35 IC36 IC37 IC38 IC39 IC40 IC41 IC42 IC42 IC43 IC44 IC45 IC46 IC47 IC48 IC49 IC50 IC51 IC52 IC53	I-8 I-7 I-38 H-64 H-47 G-68 F-7 E-43 B-7 E-28 D-7 D-0-22 C-7 C-C-32 B-64 B-8 B-8 B-8 B-8 B-8 B-8 B-8 B-8 B-8 B-8	TP13 TP14 TP15 TP16 TP17 TP19 TP23 TP301 TP302 TP302 TP306 TP307 TP308 TP309 TP401 TP402 TP403 TP404 TP405 X1 X301	B-4 B-8 B-2 B-2 H-5 G-7 F-4 I-6 I-6 I-7 F-1 I-1

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6					E2 - 1C1		6 0
					5 6 6 5	00000	IC16
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70 0 0 0 0 0							SE
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1049		ic42	- W # - 120 TO 1	and the state of t	1027	And the second s	12
12 10 2 1	2 20 12 12	10 10 10 10 10 10 10 10 10 10 10 10 10 1		20 0 0 0			0 0 0 0
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	<u> 15 10 181 33 65 7</u>		7	er de er er er er er er er er er er		AND THE PARTY OF T	<b>~</b> 6 3.
20 20	6 C C C C C C C C C C C C C C C C C C C	20: 25.0	28   101   102   103   1	Section 201			n 3
6 E 52	55 57 50 75 77 30	55	m m a 8 g g g		ssss o e	0 10 5	
THE PARTY OF THE P	51 0 15 c	IC44		Popular - Program N. S.	ニニュニュニュー		725
		40	136 9 9 7				
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SY-64AP - COMPONENT SIDE -1-622-578-21 BVW-60P BVW-95P



17-155

SY-64AP - SOLDERING SIDE -17-156 1-622-578-21 BVW-60P BVW-95P BVW-65P

PD-35; PINCH/CLEANING SOLENOID

PTC-15; THREAD/UNTHREAD END SENSOR

RM-57; REMOTE CONNECTOR

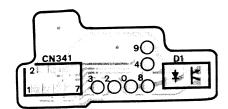
CL-14; CASSETTE-UP COMPARTMENT CL-24; CASSETTE-UP COMPARTMENT LED

PC-32/47; LARGE/SMALL CASSETTE DETECTOR

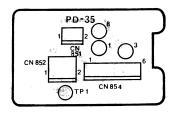
PC-33; CASSETTE DOWN DETECTOR PC-41; CASSETTE IN DETECTOR

CCM-2; UP/DOWN MOTOR HC-11; HOURS METER

S/N 10192 and higher

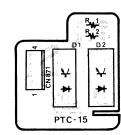


PC-47 - COMPONENT SIDE -1-628-786-11 BVW-60P BVW-75P BVW-65P



PD-35 — COMPONENT SIDE —

1-622-596-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P



S/N 12

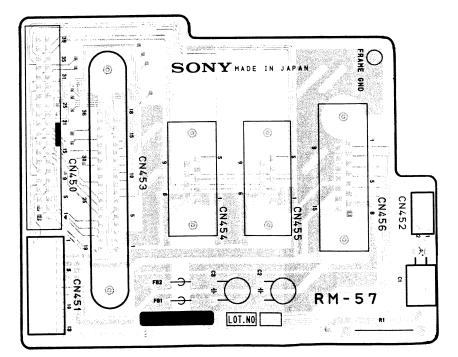
PTC-15 — COMPONENT SIDE —

1-622-597-11

BVW-60P BVW-75P

BVW-65P BVW-95P

BVW-70P BVW-96P



RM-57—COMPONENT SIDE—
1-624-153-11,12,13
BW-60P
BW-65P
BW-75P
BW-95P
BW-96P

PD-35; PINCH/CLEANING SOLENOID

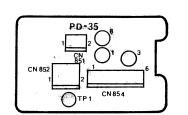
PTC-15; THREAD/UNTHREAD END SENSOR RM-57; REMOTE CONNECTOR

CL-14; CASSETTE-UP COMPARTMENT CL-24; CASSETTE-UP COMPARTMENT LED

PC-32/47; LARGE/SMALL CASSETTE DETECTOR

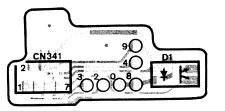
PC-33; CASSETTE DOWN DETECTOR PC-41; CASSETTE IN DETECTOR

CCM-2; UP/DOWN MOTOR HC-11; HOURS METER

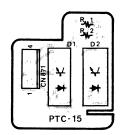


PD-35 — COMPONENT SIDE —

1-622-596-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P S/N 10192 and higher



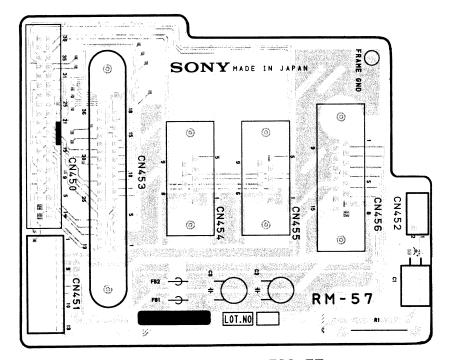
**PC-47** — COMPONENT SIDE — 1-628-786-11 BVW-60P BVW-75P



PTC-15 — COMPONENT SIDE —

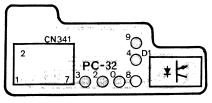
BVW-70P

1-622-597-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P



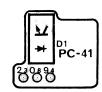
RM-57—COMPONENT SIDE—

1-624-153-11,12,13 BVW-60P BVW-70P BVW-65P BVW-75P BVW-95P BVW-96P S/N 10061 through 10191



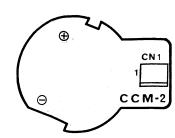
**PC-32** — COMPONENT SIDE —

1-622-603-11 BVW-60P BVW-75P BVW-65P BVW-70P



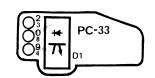
PC-41 — COMPONENT SIDE —

1-623-267-11 BVW-60P BVW-75P BVW-65P BVW-70P



CCM-2 — COMPONENT SIDE —

BVW-60P BVW-75P BVW-65P BVW-70P



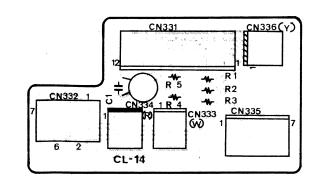
PC-33 - COMPONENT SIDE -

1-622-604-12 BVW-60P BVW-75P BVW-65P BVW-70P

S/N 12112 and higher

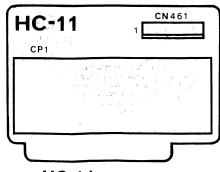


CL-24 — COMPONENT SIDE —
1-635-029-11
BWW-60P BVW-75P
BWW-55P BVW-95P
BWW-70P BVW-96P



**CL-14** — COMPONENT SIDE —

BVW-60P BVW-75P BVW-65P BVW-70P



**HC-11** — COMPONENT SIDE —

1-622-595-11 BVW-60P BVW-75P BVW-65P BVW-95P BVW-70P BVW-96P

#### KY-96B/96C (1-622-553-12)

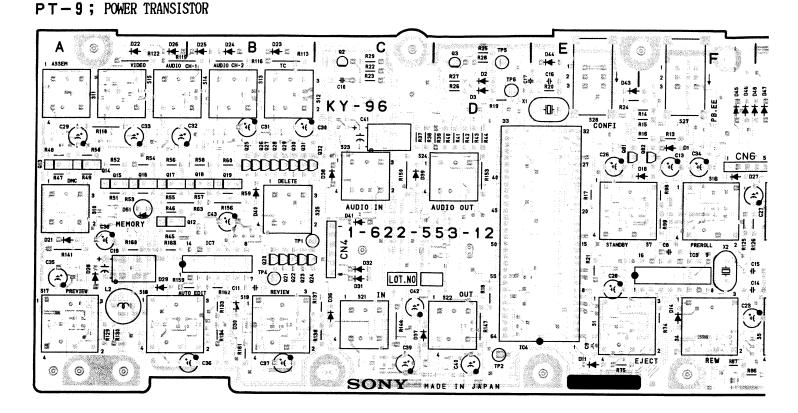
REF. NO TYPE		PIN NO.			
KEF.NU	life	+9V	+5V	GND	
IC 1	M5236L	*	*	2	
IC 2	njm78l05a	1		3	
IC 3	MB88201H-539N		16	8	
IC 4	M50747H-601SP			27	
IC 5	M54516P	*	*	7	
IC 6	M54516P	*	*	. 7	
IC 7	M54516P	*	*	7	
IC 8	NJM78LO5A	*		3	

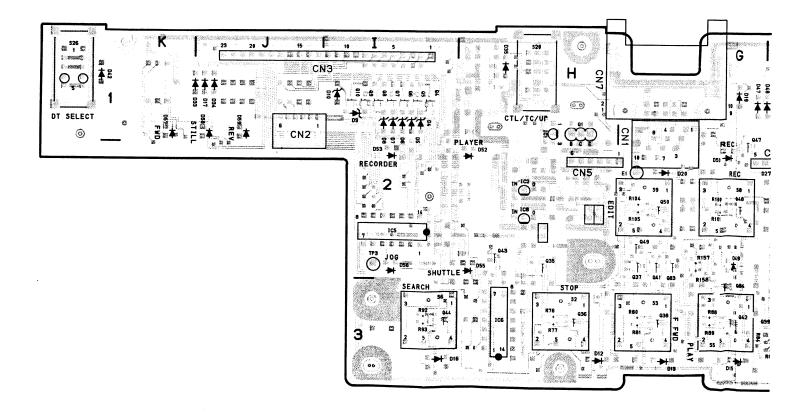
\* REFER TO SCHEMATIC

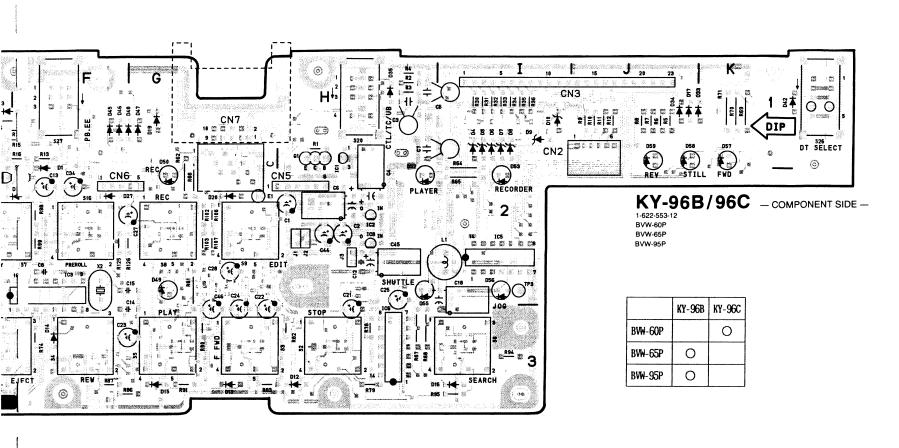
KA- OCE	1/0FC	(1.	.622	-553	-19

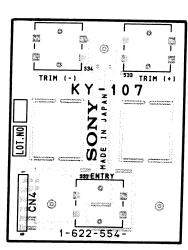
KY-96B/9	96C (1-622-55)	3-12)					
CNI CN2 CN3 CN4 CN5 CN6 CN7 DI D2 D3 D4 D5 D6 D7 D8 D9 D0 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23 D24 D25 D25 D25 D25 D25 D25 D25 D25 D25 D25	G-1 J-1 I-2 F-2 F-1 I-1 I-1 I-1 I-1 I-1 I-1 I-1 I-1 I-1 I	148 1490 1515 1515 1515 1515 1515 1515 1515 15	F-12-2-2-2-1-1-1-1-1-1-1-1-1-1-1-1-2	934 935 937 939 940 941 943 944 945 945 945 945 945 945 945 945 945	E-1-232332221222111111111112233332233311222222	S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S27 S28 S27 S28 S27 S28 S27 S28 S27 S28 S28 S28 S28 S28 S28 S28 S28 S28 S28	E-H-G-F-G-I-E-G-G-A-B-H-C-D-C-D-B-K-E-B-D-E-F-F-G-F-G-F-G-F-G-F-G-F-G-F-G-F-G-F-G

KY-96B/96C; KEY BOARD KY-107/107A; KEY BOARD DP-71A; TIME COUNTER DISPLAY PTC-32; SEARCH DIAL



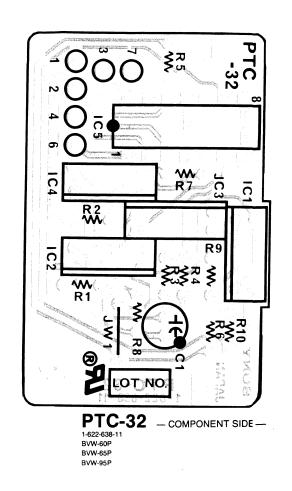


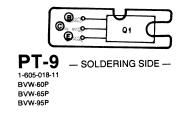


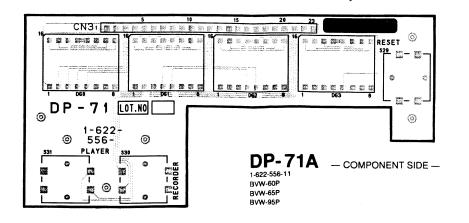


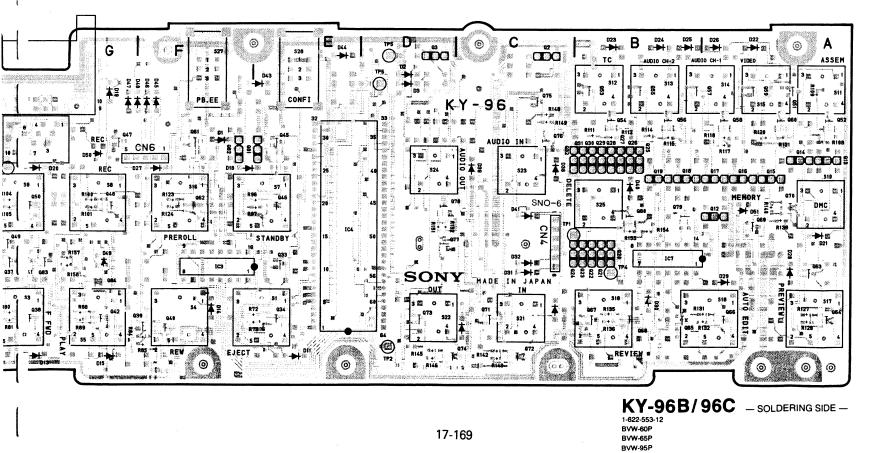


	KY-107	KY-107A
BVW-60P		0
BVW-65P	0	
BVW-95P	0	









TC-40AP; LTC PB AMPLIFIER

S/N 10061 through 10543

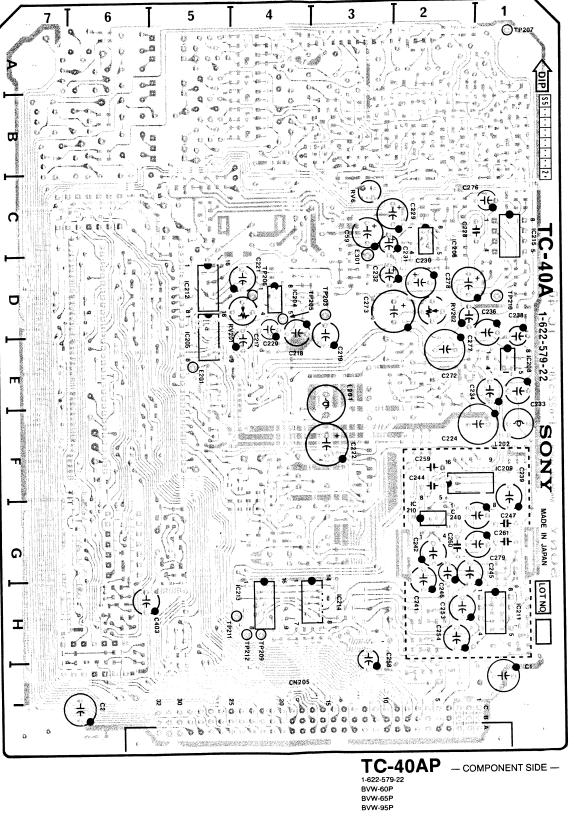
TC-40AP (1-622-579-22)

		PIN NO.				
REF. No	TYPE	+12V	+5V	GND	-5 <b>V</b>	-12V
IC 204 IC 205 IC 206 IC 208 IC 209 IC 210 IC 211 IC 212 IC 213 IC 214	NJM2903M TC4052BF TL082CPS NJM4558M TC4053BF NJM4558M NJM4562D-D TC4538BF TC4028BF TC4075BF	8	8 16 8 16 8 16 16 16	8 4 8 8 8	7 4 4 4	
IC 215	NJM4556D	8				4

\* REFER TO SCHEMATIC

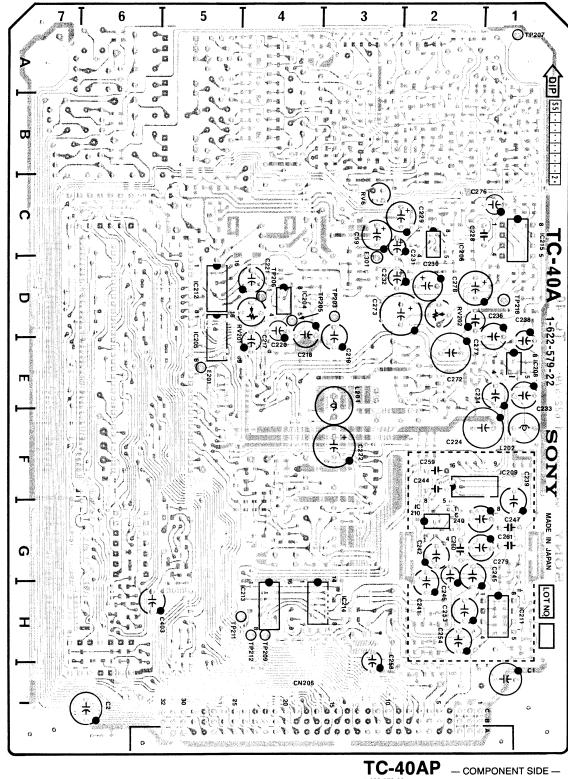
CN205	I-3
D206	D-4
D207	E-1
E201	E-5
E301	C-3
IC204	D-4
IC205	D-5
IC206	C-2
IC208	E-1
IC209	F-2
IC210	G-2
IC211	H-1
IC212	D-5
IC213	H-4
IC214	H-4
IC215	C-1
9209	H-2
9210	H-2
9211	C-2
9212	C-3
9213	C-2
9214	D-3
9215	H-3
9216	H-4
RV6	C-3
RV201	D-4
RV202	D-2
SL202	C-2
TP203 TP205 TP206 TP207 TP209 TP210 TP211 TP212	D-3 D-4 D-4 A-1 H-4 D-1 H-4

TC-40AP (1-622-579-22)

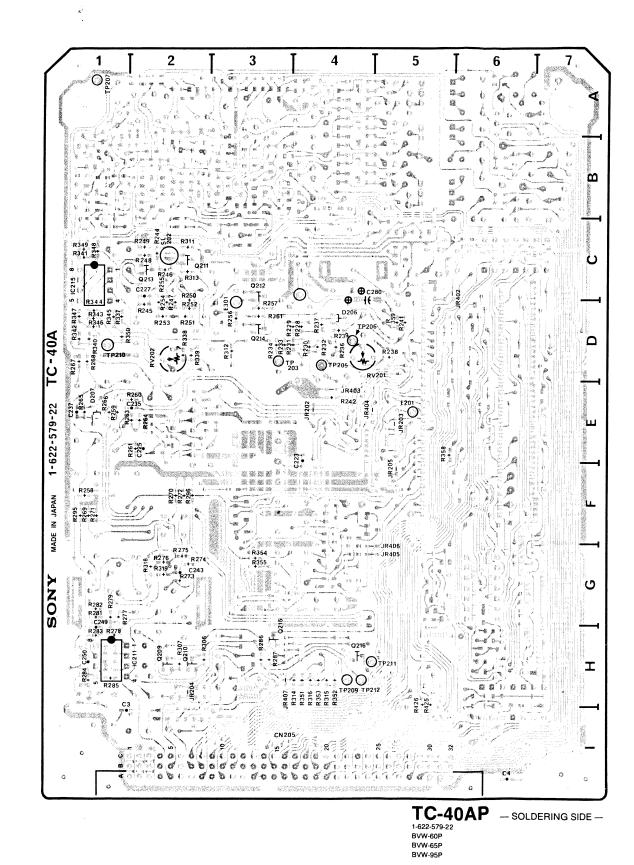


TC-40AP; LTC PB AMPLIFIER

S/N 10061 through 10543



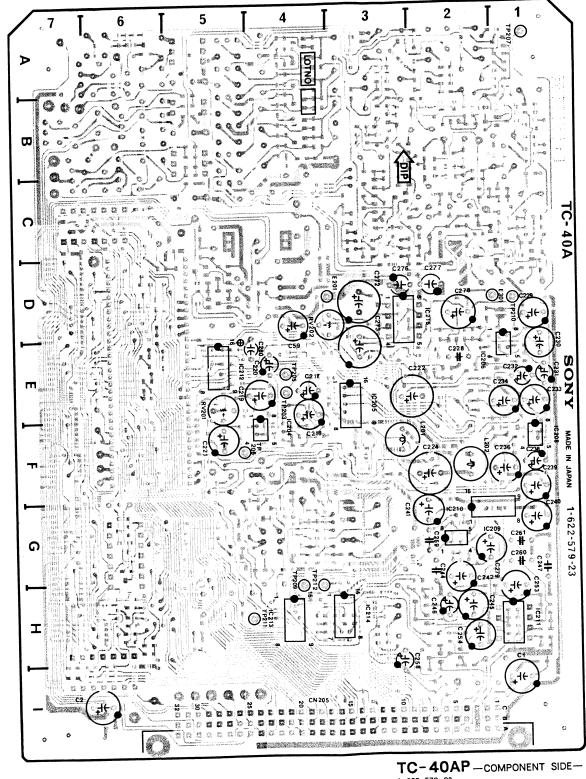
**TC-40AP** — COMPONENT SIDE — BVW-65P BVW-95P



### TC-40AP (1-622-579-23)

1C-40AF (1-022-010-20)						
		PIN NO.				
REF.No.	TYPE	+12V	+5V	GND	-5 <b>V</b>	-12V
IC 204 IC 205 IC 206 IC 208 IC 209 IC 210 IC 211 IC 212 IC 213 IC 214	NJM2903M TC4052BF NJM082M NJM4558M TC4053BF NJM4558M NJM4562D-D TC4538BF TC4028BF TC4075BF	8	8 16 8 16 8 16 16	8 4 8 8 8	7 4 4 4	
IC 215	NJM4556D	8				4

TC-40AP (1-622-579-23) I-4 CN205 D206 D207 E-4 F-1 D-3 D-1 E201 E301 IC204 IC205 IC206 IC208 IC209 IC210 IC211 IC212 IC213 IC214 IC215 F-4 E-3 E-1 F-1 G-2 G-2 H-1 E-5 H-4 H-3 D-3 9209 9210 9211 9212 9213 9214 9215 H-2 H-2 E-2 E-1 D-2 E-4 E-2 RV201 RV202 E-5 D-3 SL202 TP203 TP205 TP206 TP207 TP209 TP210 TP211 TP211 E-4 E-4 F-5 A-1 H-4 D-1 H-4

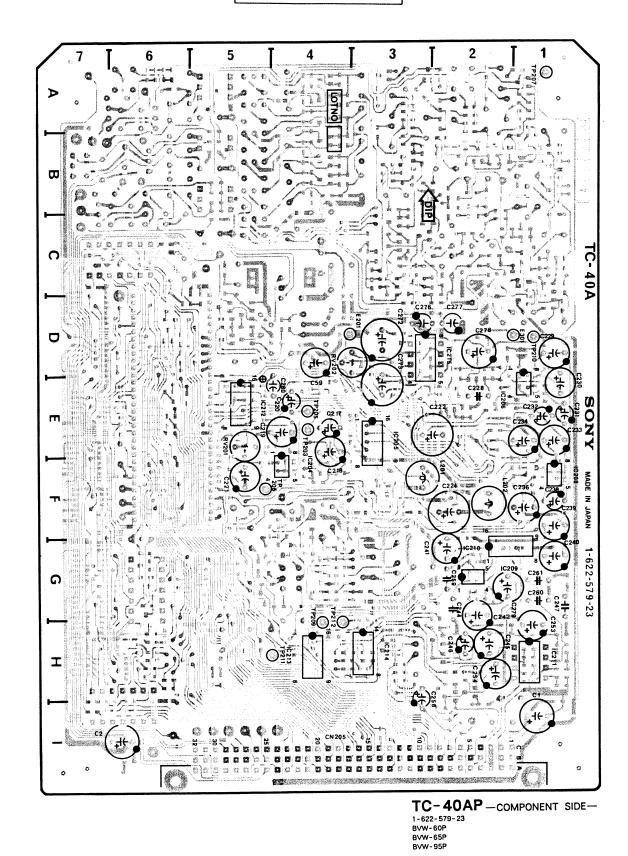


TC-40AP—COMPONENT SIDE—
1-622-579-23
BVW-60P
BVW-65P
BVW-95P

I ( AP

TC-40AP; LTC PB AMPLIFIER

S/N 10544 and higher

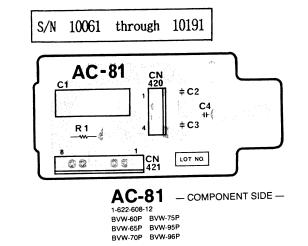


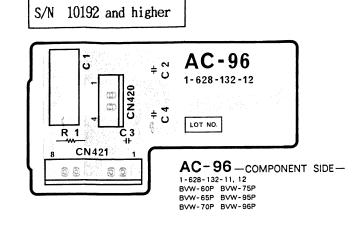
TC-40AP—SOLDERING SIDE—
1-622-579-23
BVW-60P
BVW-65P
BVW-95P

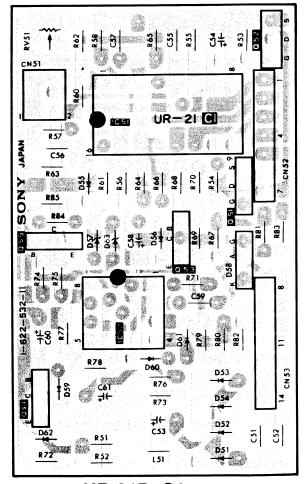
17-177 (b)

AC-81/96; RELAY BOARD OF AC INLET C1; SWITCHING REGULATOR

C 1; SWITCHING REGULATOR
C 2; SWITCHING REGULATOR
M 1; SWITCHING REGULATOR
M 2; SWITCHING REGULATOR







UR-21B, C1 — SOLDERING SIDE —

1-622-532-11

BVW-60P BVW-75P

BVW-65P BVW-95P

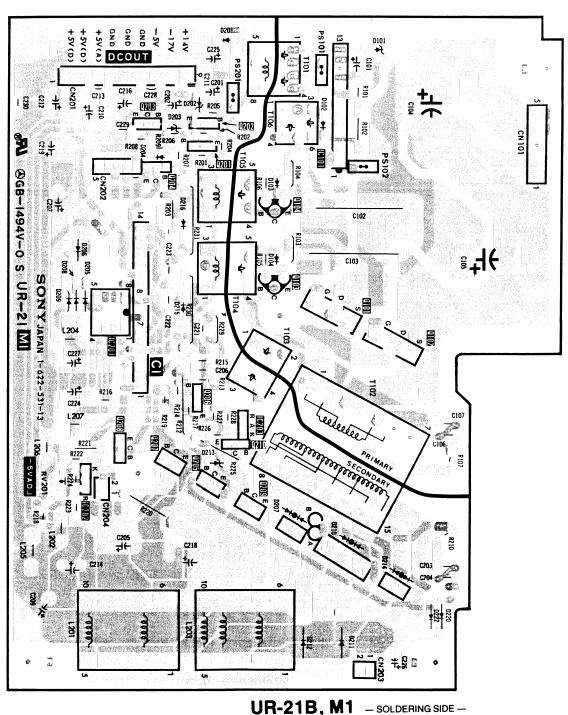
BVW-70P BVW-96P

UR-21B, C2 — SOLDERING SIDE —

1-622-532-21

BVW-65P BVW-75P

BVW-70P BVW-96P



UR-21B, M1 — SOLDERING SIDE —
1-622-531-13
BVW-60P BVW-75P
BVW-65P BVW-95P
BWW-70P BVW-96P

L255 o - +12y DC OUT ACIN

UR-21B, M2 — SOLDERING SIDE —

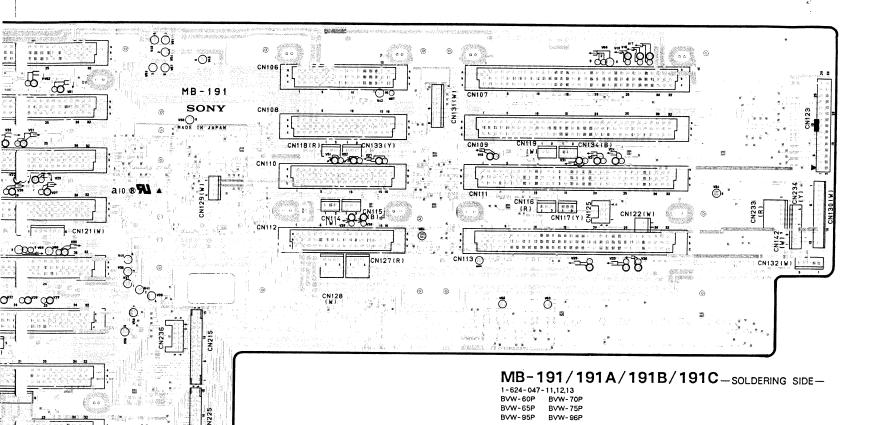
1-822-530-13

BVW-65P BVW-95P

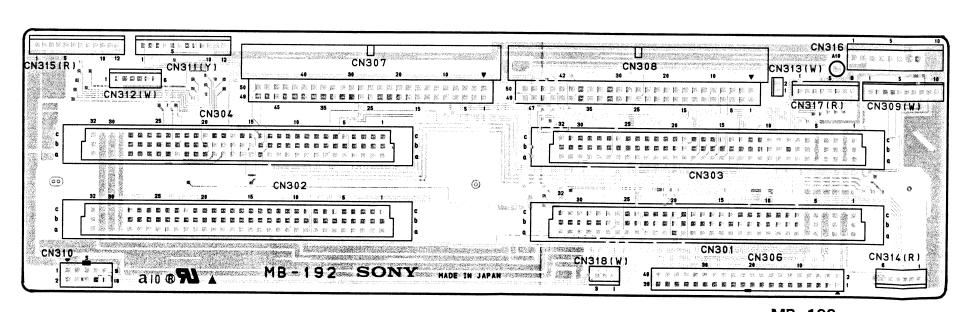
BVW-95P BVW-98P

MB-1 91/1 91 A/1 91 B/1 91 C; MOTHER BOARD MB-1 92; MOTHER BOARD

さからのでは、たくに接着製造製料のははないので そののでは、たくに接着製造製料のははおを選ぶ そのかく製を付き業用製料製料を発送しまし CN223(W) :00 cN227(W) UNZIJ CNZJZINI



	MB-191	MB-191A	MB-191B	MB-191C
BVW-60P				0
BVW-65P			0	
BVW-70P		0		
BVW-75P	0			
BVW-95P			0	***************************************
BVW-96P	0			



MB-192-SOLDERING SIDE-1-624-152-11.12.13 BVW-60P BVW-70P BVW-65P BVW-75P BVW-95P BVW-96P 17-192

.c.o.o.

# SECTION 18 SEMICONDUCTOR ELECTRODES

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC	PAGE	IC	PAGE	IC	PAGE
74F04PC	.18-4	CXA1041M		MSL917RS	
74F74PC	.18-4	CXA1096M		MSM5204ARS	.18–37
	10.4	CXD1022CQ		NE5532P	.18-38
AM26LS30PC		CXD1023AQ CXD1024Q		NJM082M	
AN3920K		CXD1024Q		NJM1496M	
AN3922NK		CXD1045Q		NJM2041M-D	.18-38
AN607P		CXD1131Q		NJM2043DD	.18-38
ANOUOP	••10 3	CXK1202S		NJM2043M-D	
BU18430A	18–5	CXK5816M-12L		NJM2903D	
BU18440A				NJM2903M	
BX1098		HA12411	.18-29	NJM4556D	
BX1152		HD14538BFP	.18-29	NJM4558D	
BX1343A	18-6	HD14584BFP	.18-29	NJM4558D-FA	
BX1460				NJM4558M	
BX1461	18-7	M50747-XXXSP		NJM4560DD NJM4560M	
BX1464	18-7	M51958BL		NJM4562D-D	
BX343	18-7	M5215L		NJM5532M	
BX365A	18-7	M5236L		NJM78??A	
BX381	18-7	M54516P		NJM78L??A	
BX3914	18-7	M54523P		NJM78M??A	
BX3915A	18-/	M54529AP M54532P		NJM79L??A	
CT 2707 AND	10 0	MB4002PF		NJM79M??A	
CF77074NT CX20061	10_0	MB40778P			10.40
CX20099		MB88201H-539N		PA0009	. 18-40
CX20111	18-8	MB88303		S-802??	.18-40
CX20111		MB88515B-280M		S-805??	
CX20162		MB88525		SBX4001-01	.18-40
CX22013	18-9	MBM2212-25P	.18-35	SBX4002-01	
CX22017	18-9	MBM2764-25		SN16913P	
CX23028	18-10	MBM27C256-25		SN74HC08NS	
CX23065	18-10	MC10198L		SN74HCl6lNS	
CX23084	18-11	MC10H113M		SN74HC193NS	
CX770	18-11	MC10H116M		SN74HC240NS	
CX7907A		MC10H124M		SN74HC245NS	
CX7912A		MC10H125M		SN74HC32NS	
CX7913A		MC10H131M	18-36	SN74HC368NS	
CX7930A		MC14046BCP	10_26	SN74HC373NS	
CX7993A		MC14538BCP		SN74HC4024NS	
CX7998		MC14538BCP MC14557BF		SN74HC4024NS	
CX877 CXA1020P		MC34051P		SN74LS00NS	
CXALUZUP		MC74HCllF		SN74LS04NS	
CXA1039M		MC74HC58N		SN74LS06N	
CONTINUE OF SECTION AND A SECTION ASSECTION ASSECTION ASSECTION ASSECTION ASSECTION ASSECTION ASSECT	21	,			

### EMICONDUCTOR INDEX

IC	PAGE	IC	PAGE	IC	PAGE
SN74LS06NS	.18-43	TC74HC02P	.18-49	uPC1663G	.18-56
SN74LSllns	.18-43	TC74HC04F	.18-49	uPC311G2	.18-56
SN74LS123N		TC74HC04P	.18-49	uPC319G2	.18-56
SN74LS123NS		TC74HC08F	.18-41	uPC324C	.18-56
SN74LS163ANS		TC74HC08P	.18-41	uPC339C	.18-56
SN74LS164NS		TC74HCllP	.18-37	uPC339G2	.18-56
SN74LS221NS		TC74HCl23F	.18-50	uPC393G2	.18-38
SN74LS244N		TC74HCl38F	.18-50	uPC4558C	
SN74LS245N		TC74HC138P	.18-50	uPC648C	.18-57
SN74LS683NS		TC74HC139F	.18-50	uPC79??H	.18-57
SN74LS697N		TC74HC139P	.18-50	uPD4013BC	.18-57
SN74LS74ANS		TC74HC14F	.18-50	uPD71054G	.18-57
SN75107AN	18-45	TC74HC14P	.18-50	uPD74HC02C	.18-49
		TC74HC157P	.18-50	uPD78310CW	.18-58
TA7267P	18-46	TC74HC160F	.18-50	uPD78312CW	.18-59
TA7357AP	18-46	TC74HC163F			
TA78L???AP		TC74HC174F	.18-51		
TC4001BF		TC74HC175F	.18-51		
TC4001BP		TC74HC221F	.18-51		
TC4009UBP		TC74HC240P	.18-51		
TC4011BF		TC74HC244F			
TC4016BP		TC74HC244P			
TC4023BF		TC74HC245P			
TC4024BF		TC74HC27F			
TC4028BF		TC74HC32F		•	
TC4030BF		TC74HC32P			
TC4030BP		TC74HC4049F			
TC4050BF		TC74HC4050F			
TC4050BP		TC74HC4050P	.18-52		
TC4051BF		TC74HC4538P	.18-52		
TC4052BF		TC74HC595P	.18-53		
TC4053BF		ТС74НС597Р			
TC4053BP		TC74HC74F			
TC4066BF		TC74HC86F	.18-53		
TC4069UBF		TC74HCU04F	.18-49		
TC4069UBP		TC74HCU04P	.18-49		
TC4071BF		TD62901P	.18-53		
TC4071BP	18-48				
TC4075BF	18-48	TL082CP	.18-53		
TC4081BF		TL082CPS	.18-53		
TC40H000F	18-49	TL084CN	.18-53		
TC40H032F		TL084CNS	.18-53		
TC40H139F	18-49	TL431CLPB			
TC40H163F	18-49	TL601CPS	.18-54		
TC4538BF		TL607CPS			
TC4538BP	18-29	TLC27M2CPS			
TC504013BF	18-49	TLC548CP			
TC74HC00F		TMPZ84C011AF	.18-55		
TC74HC00P	18-49	TMPZ84C011AF-6	.18-55		
TC74HC02F	18-49	TMPZ84C30AP-6	.18-56		

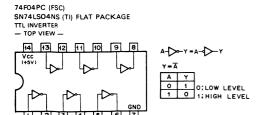
Transistor	PAGE	Transistor	PAGE	Diode	PAGE
2SA1048	18-60	DTAll4EK			18-62
2SAl115A 2SAl122	19-60	DTAL141K			18-62
2SA1122 2SA1141	18-60	DTA124ES			18-62
2SAl156		DTA124XS			18-62
2SA1162		DTA144EF			18-62
2SA1175		DTA144EK	18-61		18-62
2SA1226		DTB123EK	10 61		18-62
2SA4732SA733		DIBIZ3EK	••••10-01		18-62
2SA/33		DTC124EK	18-61		18-62
2SA812	18-60	DTC124ES			18-62
2SA844		DTC124XS			18-62
2SA911		DTCl44EF			18-62
		DTC144EK			18-62
2SB1115A		DTC144WK	••••18–61		18-62
2SB553		TX429M	18-61		18-62
2SB733	18-60	IA425M	•••••		18-62
2SB734					18-62
2SB822					18-62
					18-62
2SC1173					18-62
2SC1310					18-62
2SC1623 2SC1762				111255	
2SC2223					
2SC2259					
2SC2458	18-60				
2SC2603	18-60				
2SC2654	18-60				
2SC2712 2SC2754					
2SC2757					
2SC2785					
	30.60				

18-3

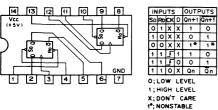
2SC2878.....18-60 2SC2901.....18-60 2SC3012.....18-60 2SC3326N....18-60 2SC403SP....18-60 2SC634SP....18-60

2SD1055.....18-60 2SD1615A....18-60 2SD669A....18-60 2SD773....18-60 2SD774....18-60 2SD999....18-61

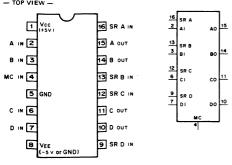
2SK209......18-61 2SK389.....18-61 2SK94.....18-61



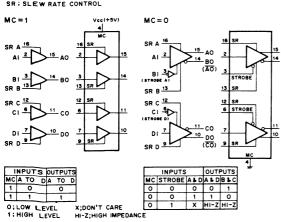


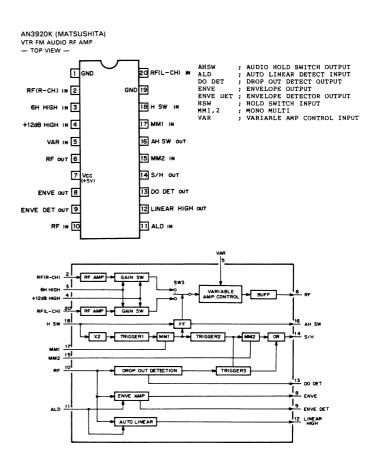


# AM26LS30PC (ADVANCED MICRO DEVICES) LINE DRIVER — TOP VIEW —

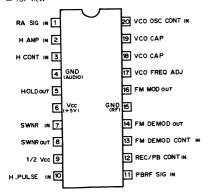


#### MC : MODE CONTROL SR : SLEW RATE CONTROL

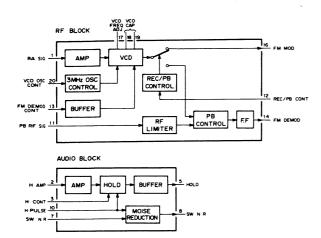


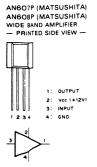


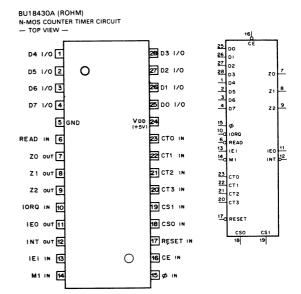
AN3922NK (MATSUSHITA)
VTR. FM AUDIO MODULATOR AND DEMODULATOR
— TOP VIEW —



FM DEMOD ; FM DEMODULATION OUTPUT
FM DEMOD CONT ; FM DEMODULATION CONTROL INPUT
FM MOD ; FM MODULATION OUTPUT
H AMP ; HOLD AMP INPUT
H CONT ; HOLD CONTROL INPUT
H PULSE ; HOLD PULSE INPUT
PBRR SIG ; PB RF SIGNAL INPUT
RA SIG ; REC AUDIO SIGNAL INPUT
RA SIG ; REC AUDIO SIGNAL INPUT
SWNR ; SWITCH NOISE REDUCTION INPUT/OUTPUT
VCO CAP ; VCO CAPACITOR
VCO FREQ ADJ ; VCO FREQUENCY ADJUSTMENT
VCO OSC CONT ; VCO OSCILLATION CONTROL INPUT







CHANNEL SELECT FUNCTION

CE ; CHIP ENABLE

CSO,CS1; CHANNEL SELECT

CTO-CT3; EXTERNAL CLOCK/TIMER TRIGGER

DO-D7 ; 3-STATE DATA INPUT/OUTPUT

IEI ; INTERRUPT ENABLE INPUT

ITO ; INTERRUPT ENABLE OUTPUT

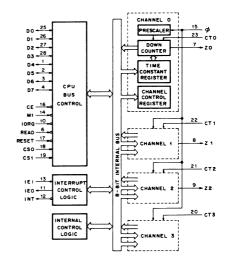
INT ; INTERRUPT REQUEST (OPEN DRAIN)

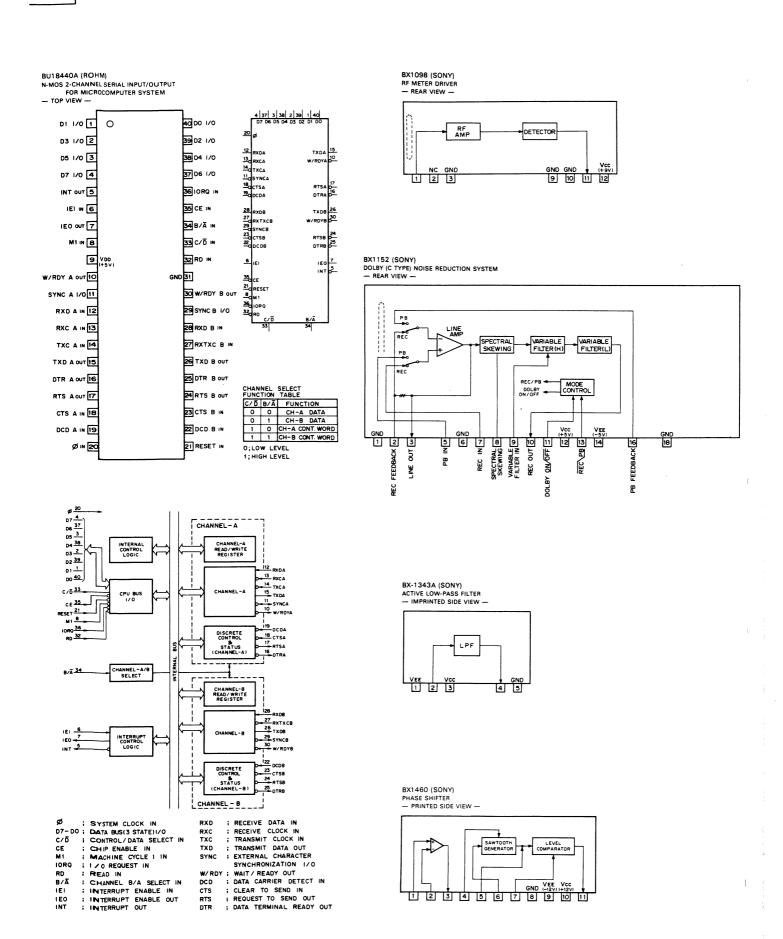
IORQ ; I/O REQUEST

M1 ; MACHINE CYCLE 1

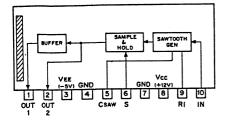
READ ; READ CYCLE STATUS

ZO-Z2 ; ZERO COUNT/TIME OUT

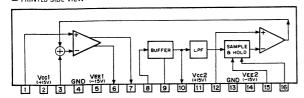




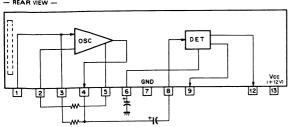
# BX1461 (SONY) PHASE DETECTOR — PRINTED SIDE -



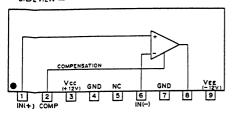
#### BX1464 (SONY) SBX4002-01 (NEC) CLAMP AND BUFFER — PRINTED SIDE VIEW —



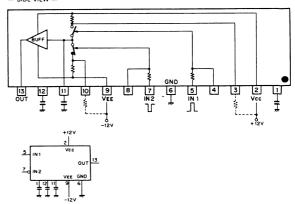
# BX343 (SONY) OSCILLATOR/DETECTOR — REAR VIEW —

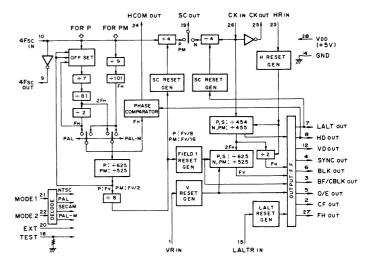


#### BX365 A (SONY) VIDEO AMPLIFIER — SIDE VIEW —

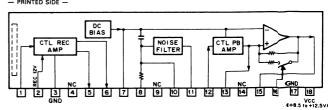


#### BX381 (SONY) PHASE COMPARATOR — SIDE VIEW —

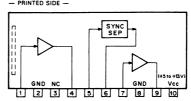


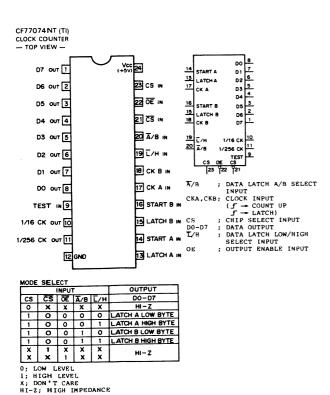


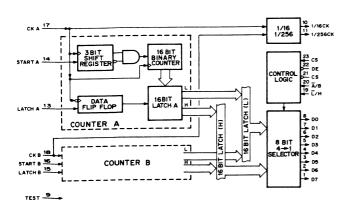
#### BX3914 (SONY) CTL REC/PB AMPLIFIER — PRINTED SIDE —

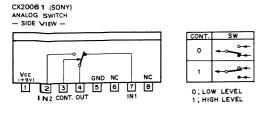


#### BX3915A (SONY) SYNC SEPARATOR — PRINTED SIDE —

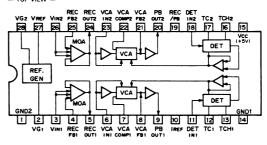






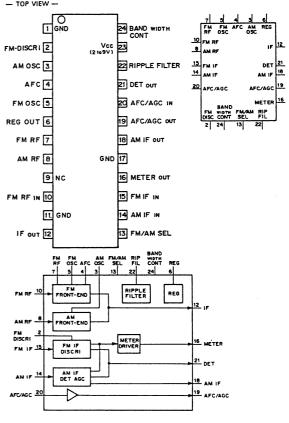


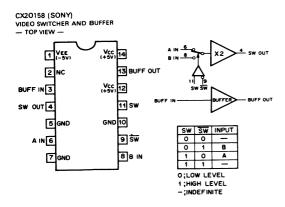
CX20099 (SONY)
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP
— TOP VIEW —

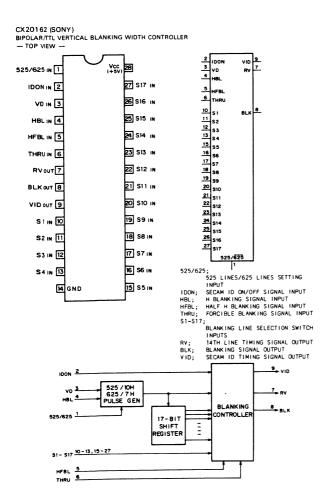


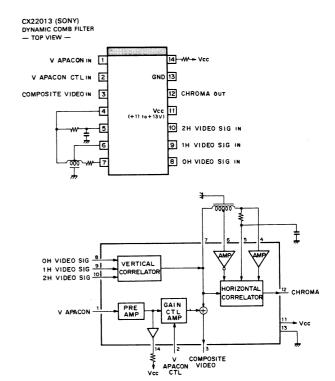
DET; DETECTOR
TC; TIME CONSTANT
TCH; TIME CONSTANT HOLD
VCA; VOLTAGE CONTROLLED AMP

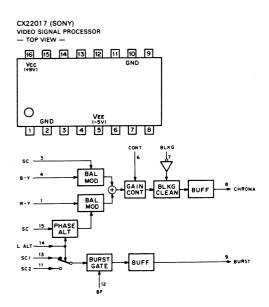
CX20111 (SONY) FLAT PACKAGE FM/AM FRONT-END/IF/DET PROCESSOR — TOP VIEW —



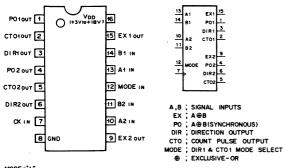






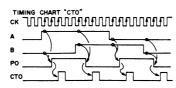






#### MODE = 1"

INPUTS	OUTPUT "I	
A∠B	1	
B∠A	0	

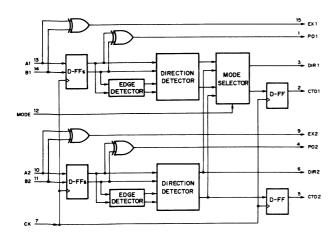


#### MODE = "0"

DIRECTI	ON OUTF	OT "DIR"	
INPUTS		DIR 1	DIR 2
CH1	CH2	ואוט	DIR Z
AIZB1	A2∠B2	1	
B1∠A1	A2∠B2		THE SAME FUNCTION
A1∠B1	B2ZA2	ALTERNATELY	OF MODE 1"
B1/A1	B2/A2	0	1

CTO 1; CTO 1 with MODE "O"= CTO 1 with MODE "1" + CTO 2 CTO 2; THE SAME FUNCTION OF MODE "1"

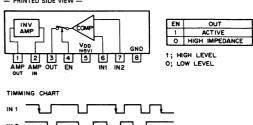
1; High Level 0; Low Level A2B; The phase of signal a is in advance for the phase of B.



CX23065 (SONY)
N-MOS PHASE COMPARATOR WITH INVERSION AMPLIFIER
— PRINTED SIDE VIEW —

HI-Z

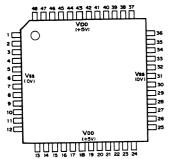
EN



/ HI-Z

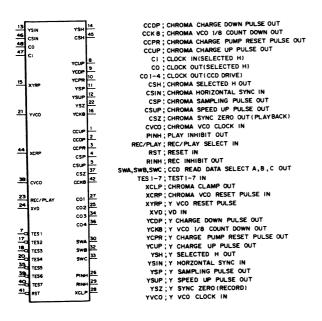
HI-Z; HI-IMPEDANCE

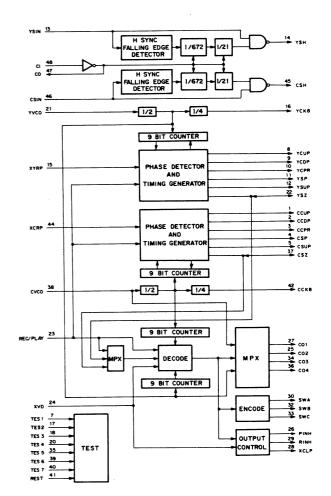
# CX23084 (SONY) FLAT PACKAGE C-MOS TIMING GENERATOR/CCD CLOCK GENERATOR — TOP VIEW —

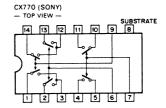


PIN	ASSIGNMENT

PIN	IN	оит	SYMBOL	PIN	iN	OUT	SYMBOL	22	IN	OUΤ	SYMBOL	ž2	IN	OUT	SYMBOL
1		0	CCUP	13	0		YSIN	25		0	CO2	37	0	0	CSZ
2		ŏ	CCDP	14	_	0	YSH	26		0	PINH	38	0		CVCO
3	_	ŏ	CCPR	15	ō		XYRP	27		0	COIK	39	0		TES 6
4		ŏ	CSP	16	_	0	YCK8	28		0	XCLP	40	0	<u></u>	TES 7
5		ŏ	CSUP	17	0		TES 2	29	Г	0	RINH	41	0	<u></u>	RST
6	_	-	Vss	18	0		TES 3	30		0	SWA	42		0	CCK 8
7	C	T	TES I	19		1	VDD	31			Vss	43		_	VDD
8	_	0	YCUP	20	ō		TES 4	32		0	SWB	44	0		X CRP
9		Ιŏ	YCDP	21	Ō		YVCO	33		0	SWC	45		10	CSH
10	_	tŏ	YCPR	22	Ó	10	YSZ	34		0	CO 3	46	0	<u> </u>	CSIN
11	$\vdash$	tŏ	YSP	23	ō	1	REC/PLAY	35	0		TES 5	47	L	0	со
12	$\vdash$	ŏ	YSUP	24	Ιō	1	XVD	36		0	CO4	48	O		CI







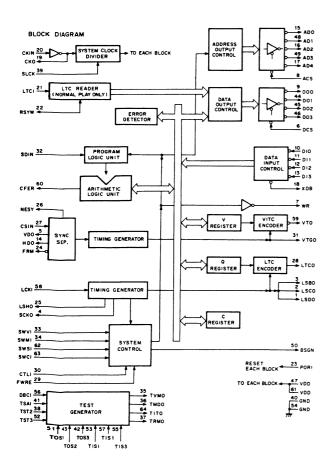
# CX7907A (SONY) C-MOS TIME CODE GENERATOR — TOP VIEW —

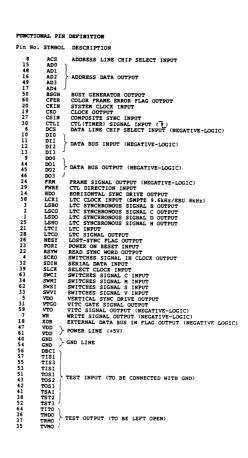
0 28	027	026	0 <sub>25</sub>	024	023	022	021	020	0,9
029	0 58	057	056	055	0 54	053	052	O 51	0,
O <sub>30</sub>	0 59							050	0,
031	0 60							049	0,
0 32	0 61							048	0,
0 33	062							047	0,
034	063							046	0,
035	064							045	0,
036	0 37	038	0 39	040	041	042	043	0 44	O <sub>1</sub>
0,7	02	03	04	05	06	0,	08	09	0,

	2 5	ş  :	2	88	38	26		₹	2	<b>a</b>	26	98	ŝ	5 4	<b>3</b> 2	
	PORI	CKIN	CKO	SLCK	TST2	TST3	TSA1	1081	1052	1053	131	080	T153	\(\docume{0.00}\)	GND	
31 27 26	VTO VTGO CSIN NESY														SCKO LSBO LSCO LSDO	3 2
21 22 28 5	LTCI RSYW LTCO VDO														SWSI SWMI SWCI SWVI	62 34 63 33 32
24 25 58	FRM LSHO	þ													SDIN TITO TNDO TRMO TVMO	64 36 37 35
30 29 60	CTLI FWRI	E													X D B B S G N W R	50 7
	800 000	000	0	46 502	3	ACS	15 A D O	48 AD 1	16 AD 2	49 AD 3	17 A0 4	01	=	12 0	13 DI 3	

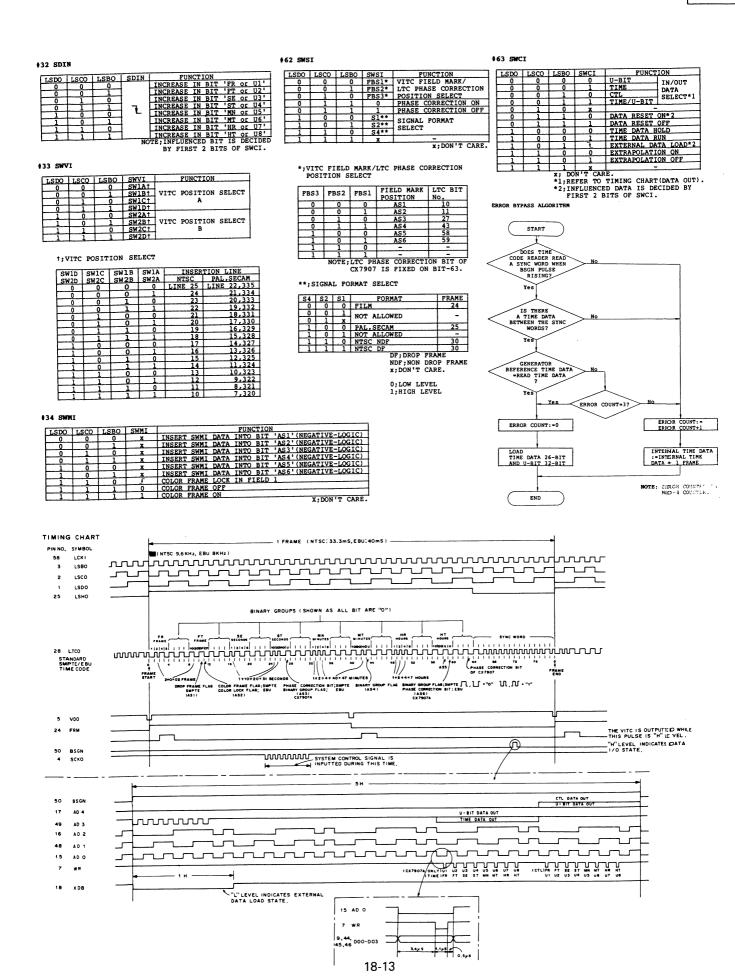
#### PIN ASSIGNMENT

Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL
1		0	LSDO	17		0	AD4	33	0		SWVI	49		0	AD3
2		0	LSCO	18		0	XDB	34	0		SWMI	50		0	BSGN
3		0	LSBO	19		0	CKO	35		0	TVMO	51	0		TOS1
- 4		0	SCKO	20	0		CKIN	36		0	TNDO	52	0		TST3
5		0	VDO	21	0		LTCI	37		0	TRMO	53			TISI
6	0		DCS	22		٥	RSYW	38	0		TST2	54		0	GND
7		0	WR	23	0		PORI	39	0		SLCK	55	0		TIS3
8_	0		ACS	24		0	FRM	40		0	GND	56	0		DBCI
9.		0	DO 0	25		0	LSHO	41	0		TSAI	57	0		TISL
10	0		DIO	26		0	NESY	42	0		TOS3	58	0		LCKI
11	0		DIl	27	0		CSIN	43	0		TOS 2	59		0	VTO
12	٥		DI 2	28		0	LTCO	44		0	DO1	60		0	CFER
13	0		DI3	29	0		FWRE	45		0	DO2	61	0		VDD (+5V)
14		0	HDO	30	0		CTLI	46		0	DO3	62	٥		SWSI
15		0	AD0	31		0	VTGO	47	0		VDD (+5V)	63	0		SWCI
16			8D2	32	_		CDIN	4.0		•	ADI	64			TTTO





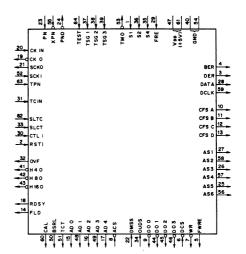




# CX7912A (SONY) C-MOS TIME CODE READER — TOP VIEW —

0 28	027	0 26	0 25	024	023	022	021	020	019
O 29	0 58	057	O <sub>56</sub>	O 55	O <sub>54</sub>	o <sub>53</sub>	O 52	0 51	018
O <sub>30</sub>	059							O 50	017
031	0 60			,				0 49	016
0 32	061							0 48	015
O 33	062							0 47	0,4
034	O <sub>63</sub>							046	O <sub>13</sub>
035	064							0 45	012
0 36	037	038	0 39	040	041	042	043	044	011
0,	02	03	04	05	06	07	08	09	010
/ INC	DEX D	OT							

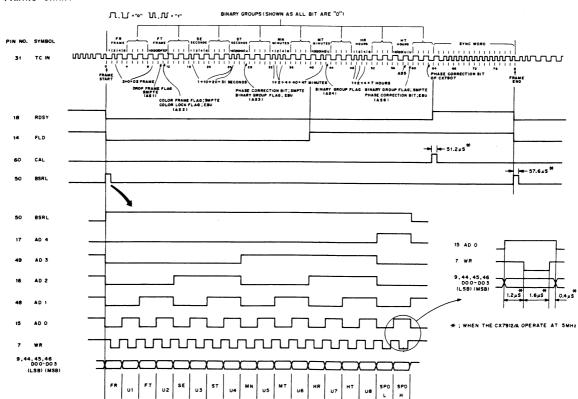
-															
PIN	AS	SIGN	MENT									_	_		
PIN NO.	N	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
[ - ]	0		\$1	17		0	AD 4	33	0		SLCT	49		0	AD 3
2	0		RSTI	18		0	RDSY	34	0		OUDS	50		0	BSRL
3		0	DER	19		0	CK O	35	0	L	54	51		0	TCT
4		0	BER	20	0		CK IN	36	0		<b>S2</b>	52	0		SCKI
9		0	FWRE	21		0	SCKO	37	0		TSG 1	53		0	TMO
6	0		DCS	22	0		DMSS	38	0		TSG 2	54		0	GND
7		0	WR	23	0		PN	39	0		TSG 3	55	0		XPN
8	0		ACS	24		0	PND	40		0	GND	56		0	AS6
9		0	000	25		0	AS5	41		0	H 4 0	ŧ		0	AS4
10		0	CFS A	26		0	AS3	42		0	H 8 0	58		0	AS2
11		0	CFS B	27		0	AS I	43		0	H 16 0	59		0	DCLK
12		0	CFS C	28		0	DATA	44		0	001	60		0	CAL
13		0	CFS D	29	0		FRE	45		0	DO 2	61	0		V00(+5V)
14		0	FLD	30	0		CTL I	46		0	003	62	0		SLTC
15		Ô	AD O	31	0		TC IN	47	0	L	V D D(+5V)	63	0		TPN
16		0	AD 2	32		0	OVF	48		0	AD 1	64	0		TEST

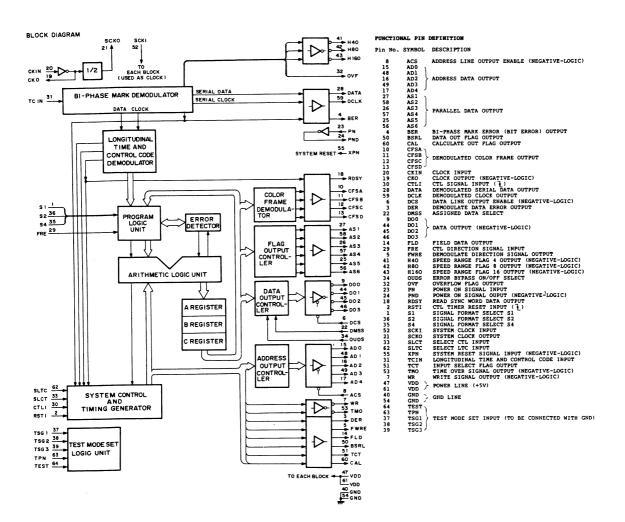


MODE	SELECT	•				
SLCT	SLTC	MODE		CTL C	OUNI	
0	0	AUTO	]	FRE	RSTI	COUNT
0	1	TIME CODE	1	0	x	DOWN COUNT
1	0	CTL	}	1	х	UP COUNT
1	1	AUTO	1	×	J.	RESET

<b>S4</b>	S2	SI	FORMAT	FRAME	
0	0	0	FILM	24	1
0	0	1			1
0	1	0	NOT ALLOWED	l —	I
0	1	1		1	
1	0	0	PAL, SECAM	25	}
1	0	1	NOT ALLOWED		1
1	1	0	NTSC (NON DROP FRAME)	30	O; LOW LEVE
1	1	1	NTSC (DROP FRAME)	30	1 HIGH LEVE

#### TIMING CHART



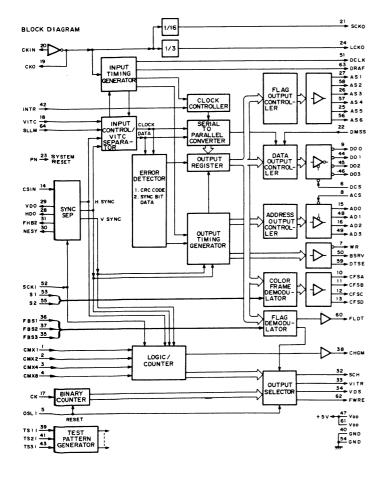


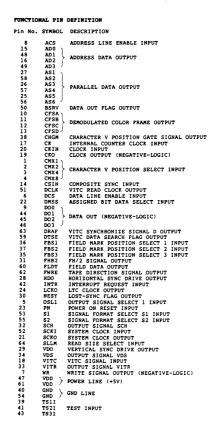
CX7913A (SONY)
C-MOS VITC (VERTICAL INTERVAL TIME CODE) READER
— TOP VIEW —

028	027	026	O25	024	O23	022	021	020	<b>O</b> 19
029	058	057	056	055	O54	053	052	051	018
030	O <sub>59</sub>							050	017
O <sub>31</sub>	060							049	016
032	061							048	015
033	062							047	014
O 34	O63							O 46	O13
035	O 64							O <sub>45</sub>	Oı
O 36	O <sub>37</sub>	038	039	040	O <sub>41</sub>	042	043	044	O <sub>1</sub>
0,	02	Оз	04	05	06	07	08	O <sub>9</sub>	010
IN	DE X D	от							

PIN NO.	IN	<b>о</b> ит	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
-	0		CMX 1	17	0		CK	33		0	VITR	49		0	AD3
2	0		CMX 2	18	0		VITC	34		0	VDS	50		0	BSRV
3	0		CMX 4	19		0	CK O	35	0		F853	51		0	D CLK
4	0		CMX 8	20	0		CKIN	36	0		FBS 1	52	0		SCK I
5	0		OSL 1	21		0	SCK O	37	0		FBS 2	53	0		S1
6	0		DCS	22	0		DMSS	38		0	CHGM	54		0	GND
7		0	WR	23	0		PN	39	0		TSII	55	0		<b>S2</b>
8	0		A CS	24		0	LCKO	40		0	GND	56		0	AS6
9		0	000	25		0	AS5	41	0		TS21	57		0	AS4
10		0	CFS A	26		0	AS3	42	0		INTR	58		0	AS2
11		0	CFS B	27		0	ASI	43	0		TS31	59		0	DTSE
12		0	CFS C	28		0	HDO	44		0	DO 1	60		0	FLOT
13		0	CFS D	29		0	VDO	45		0	DO 2	61	0		V00(+5V)
14	0		CSIN	30		0	NESY	46		0	DO 3	62		0	FWRE
5		0	AD O	31		0	FHB 2	47	0		VDD(+5V)	63		0	DRAF
16		0	AD 2	32		0	SCH	48		0	AD1	64	0		SLLM

2 2 1 2 2 1 2 2 2 1 4 4 4 5 1 5 2 1 5 2 1 5 2 1 5 1 5 1 5 1 5 1 5	
11 SO C C C C C C C C C C C C C C C C C C	5
+ 29 V DO SCH + 20 H DO VITR + 31 FHB 2	32 33 34
18 VITC CFS A	53 55 10
17 CK CFS B CFS CFS CFS CFS CFS CFS CFS CFS CFS CFS	12
+ 15 AD 0 CMX2 + 48 AD 1 CMX4 + 16 AD 2 CMX8	3 4
49 AD 3 CH6M FSS 1 8 FSS 2 A CS FSS 3	38 36 37 35
60 CS 1	





\$1,2,3,4 CMX1 TO 8; CHARACTER V POSITION SELECT

				INSE	RTION LINE
CMX 8	CMX4	CMX 2	CMX1	(#38 CHGM	IS H LEVEL)
				NTSC	PAL, SECAM
0	0	0	0		
0	0	0	1		284-303 596-615
			<del></del>		264-283
0	0	1	0		576-595
0	0	1	1		244-263
					556-575
0	1	0	0	227-246	224-243 536-555
				207 205	204-223
0	1	0	1	207-226	516-535
0	1	1	0	187-206	184-203
			-	1	496-515
0	1	1	1	167-186	164-183 476-495
				<del> </del>	144-163
1	0	0	0	147-166	456-475
1	0	0	1	127-146	124-143
	-		<u> </u>	120	436-455 104-123
1	0	1	0	107-126	416-435
<b></b>	<del> </del>	<del></del>	<del></del>		84-103
1	0	1	1	87-106	396-415
1	1	0	0	67- 86	64- 83
	<u> </u>	ļ	ـــّـــ	1	376-395
1	1	0	1	47- 66	44- 63 356-375
	<del> </del>	<del> </del>		<del> </del>	24- 43
1	1	1	0	27- 46	336-355
1	1	1	1		

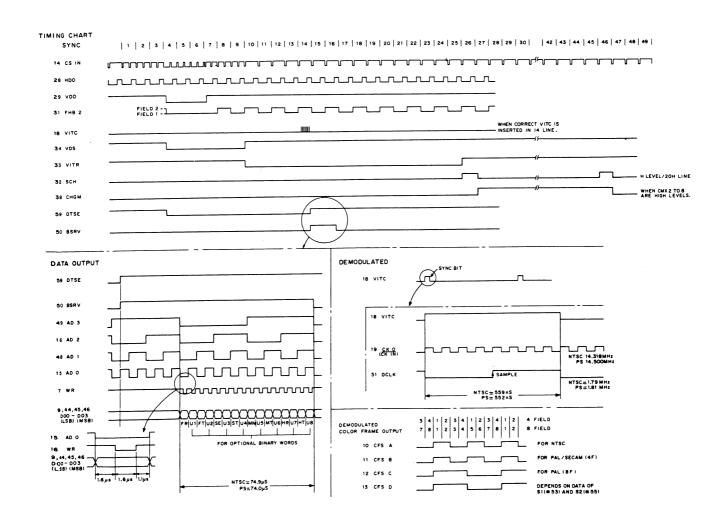
#36,37,35 PBS1 TO PBS3; PIELD DATA SELECT

FBS3	FBS2	FBS1	#60 FLDT OUTPUT
0	0	0	AS1 ( VITC BIT No.14 )
0	Ö	1	AS2 ( VITC BIT No.15 )
0	1	0	AS3 ( VITC BIT No.35 )
0	1	1	AS4 ( VITC BIT No.55 )
1	0	0	ASS ( VITC BIT No.74 )
1	0	1	AS6 ( VITC BIT No.75 )
1	1	0	
1	1	1	

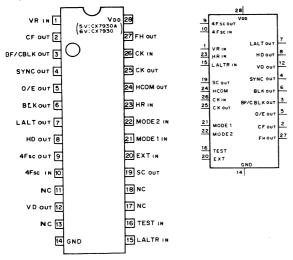
\$53,55 S1,S2;SIGNAL FORMAT SELECT

52	Sl	#13 CFSD FORMAT
0	0	UNSPECIFIED
0	1	UNSFECTFIED
1	0	NTSC NON DROP FRAME
1	1	INTSC DROP FRAME

0;LOW LEVEL 1;HIGH LEVEL



CX7930A (SONY) FLAT PACKAGE C-MOS SYNC GENERATOR (NTSC, PAL-M, PAL, SECAM) — TOP VIEW —



O/E :ODD/EVEN FIELD CF :COLOR FRAME PULSE HCOM:H COMPARATOR

SYSTEM	4Fsc	CLOCK		UTS	SYSTEM	IN	PUTS	FUNCTION
NTSC	910 FH	910FH	MODE 1	MODE 2	51512	EXT	TEST	
PAL	1135FH+2FV	908 FH	0	0	NTSC	0	0	INTERNAL
PALM	909 FH	910FH	0	1	SECAM	0	1	INVALID
SECAM		908 FH	1	0	PALM	1	0	EXT
-			1	1	PAL	1	1	TEST
					L (GND)		/ INT	T "O": OPE ERNALLY LED DOWN

NTSC, PAL-M (FIELD 2, 4)

NTSC

FIELD 1 + FIELD 2

FIELD 3 + FIELD 2

FIELD 3 - FIELD 3

FIELD 3 - FIELD 4

SYNC

BF/CBLK
(PALM)

FIELD 1 - FIELD 2

FIELD 3 - FIELD 4

FIELD 3 - FIELD 4

FIELD 1 - FIELD 2

FIELD 3 - FIELD 4

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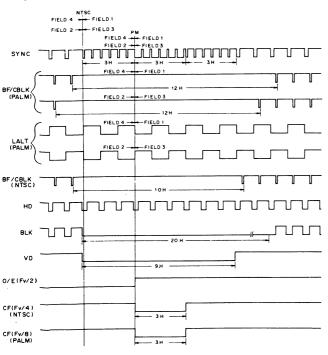
FIELD 3 - FIELD 4

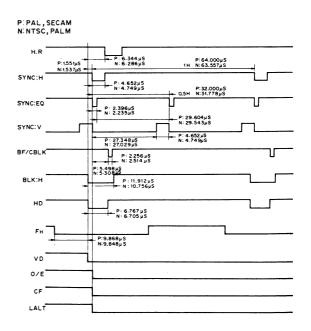
FIELD 3 - FIELD 4

FIELD

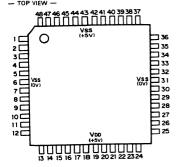


### NTSC , PAL-M (FIELD 1.3)



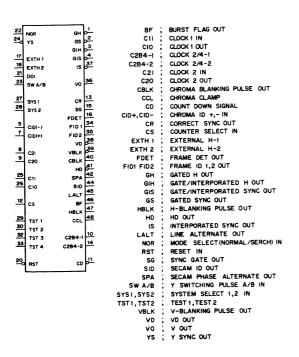


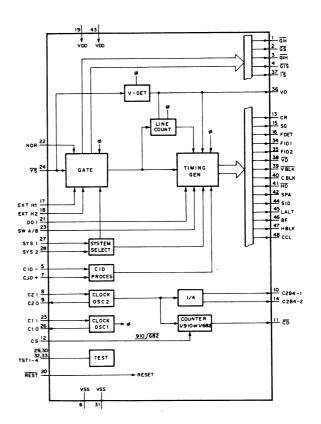
#### CX7993A (SONY) FLAT PACKAGE C-MOS TIMING GENERATOR — TOP VIEW —



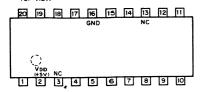
#### PIN ASSIGNMENT

PN	I N	оит	SYMBOL	PIN	IN	ουт	SYMBOL	No	IN	ουт	SYMBOL	218	I N	ο <u>ς</u>	SYMBOL
P,V	-	0	GH	13		0	CR	25	0		C11	37		0	15
2	_	ŏ	GS	14		ō	C2B4-2	26	Г	0	C10	38		0	∇D
3	_	ŏ	GIH	15		0	SG	27	0		SYS I	39		0	VBLK
4	_	ŏ	GIS	16	Г	0	FDET	28	0		SYS 2	40		0	CBLK
5	0	<u> </u>	CID -	17	0		EXTH 1	29			TI	41		0	HD
6	ř	_	VSS	18	ō		EXTH2	30			T2	42		0	SPA
7	0	<del>                                     </del>	CID+	19	-		VDD	31			Vss	43			VDD
18	ŏ	1	C21	20	0		RST	32	Г	Г	T3	44		0	SID
9	Ť	0	C20	21	0	T	DOI	33			T4	45		0	LALT
10	_	ŏ	C284-1	22	0		NOR	34	T	0	FIDI	46		0	BF
111	$\vdash$	ŏ	CD	23	ō		SW A/B	35		0	FID2	47		0	H BLK
12	10	۲	CS	24	Ō	Г	YS.	36		0	VO	48		0	CCL



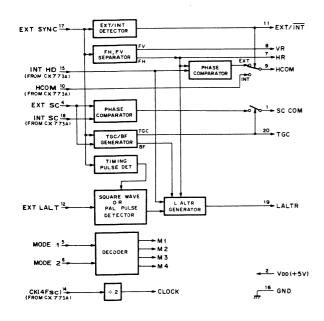


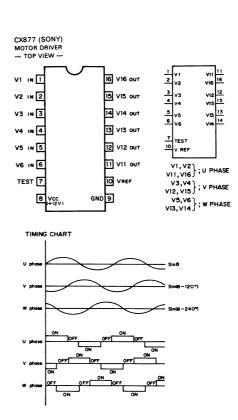
CX7998 (SONY) FLAT PACKAGE C-MOS GENLOCK DRIVER FOR CX773A — TOP VIEW —

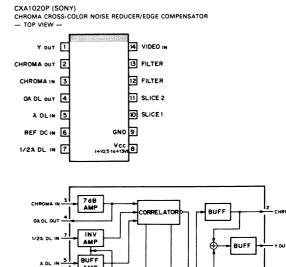


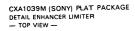
INI	PUTS	_	XT LOCK MODE			
MODE 1	MODE 2					
0	0	M 1	PAL:VBS			
1	0	M 2	PAL-M:VBS			
			PAL: VS/SC/LALT			
0	, ,		SECAM:VS/SC/LALT			
			NTSC:VBS			
1	1 1	M 4	NTSC: VS/SC			
1			PAL-M:VS/SC/LALT			

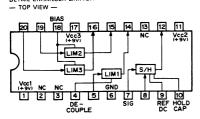
O; LOW LEVEL





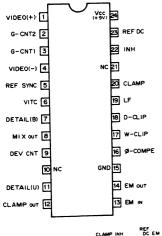


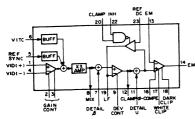




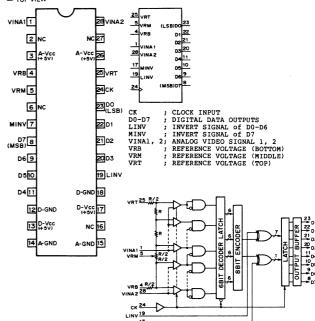
### CXA1040M (SONY) MINI FLAT PACKAGE

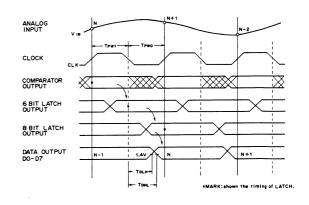
VIDEO SIGNAL PROCESSOR - TOP VIEW -





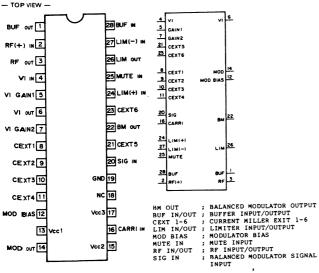
CXA1096M (SONY) FLAT PACKAGE 8-BIT 20MSPS FLASH A/D CONVERTER (TTL INPUT/OUTPUT) - TOP VIEW -

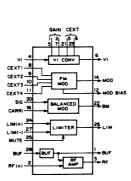


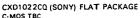


### CXA1041M (SONY) MINI FLAT PACKAGE

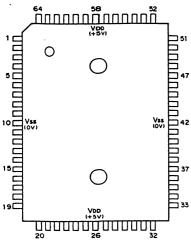




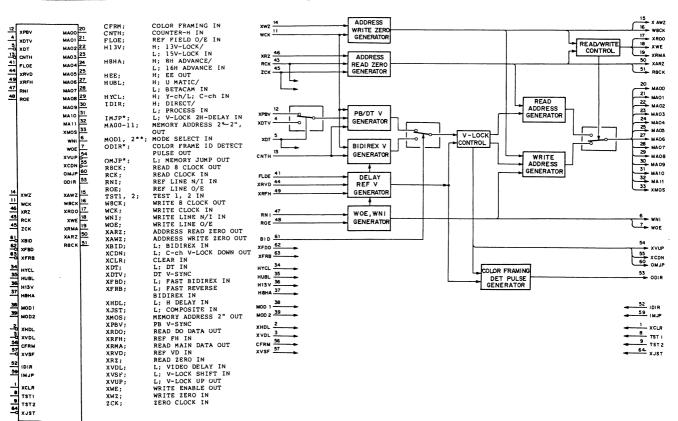




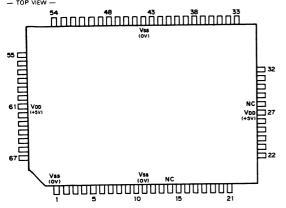
_	TOP	VIEW	_



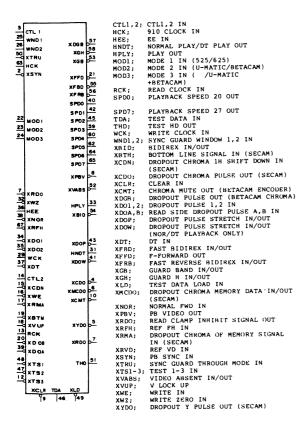
PIN	IN	рит	SYMBOL	PIN	IN	оит	SYMBOL	PIN	IN	OUT	SYMBOL	PIN	IN	ОПТ	SYMBOL
1 2	00		XCLR XHDL	17 18		00	XRDO XWE	33 34	0	0	XMOS HYCL	49 50	0	0	XRFH XARE
3	0		XVDL	19		0	XRMA	35	0		HUBL	51		o	RBCK
5	00		XDTV	20 21		0	MAOO MAO1	36 37	00		H13V H8HA	52 53	0	0	I DIR ODIR
6		0 0	WNI	22 23		0	MAO2 MAO3	38 39	00		MOD1 MOD2	54 55		00	XVUP
8	0		TST1 TST2	24 25		0	MAO4 MAO5	40 41	0	0	HEE FLOE	56 57	00		CFRM XVSF
10	0		Vss	26 27		٥	VDD MAO6	42 43	0		Vss	58 59	0		VDD IMJP
12	0		XPBV	28		0	MAO7	44	0		XRVD	60		0	СМЈР
13	0		CNTH	29 30		0	MAO8 MAO9	45 46	0 0			61 62	00		XBID XFBD
15 16	0	00	XAWZ W8CK	31 32		0	MA 10 MA 11	47 48	00			63 64	00	0	XFRB XJST

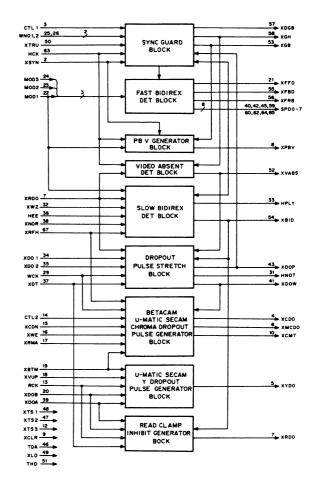


CXD1023AQ (SONY) FLAT PACKAGE C-MOS TBC — TOP VIEW —

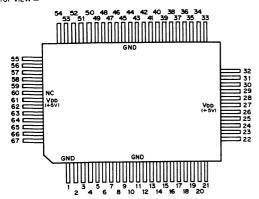


PIN	IN	OUT	SYMBOL	PIN	IN	оит	SYMBOL	PIN NO	IN	оит	SYMBOL	PIN NO	IN	оит	SYMBOL
1			Vss	21		0	XFFD	41	0	0	XDOW	61			VDD
2	0	1	XSYN	22	0		MOD1	42		0	SPD6	62		0	SPD2
3	0	1	CTL1	23	0		MOD2	43	0	0	XDOP	63	0		HCK
4		0	XCDO	24	0		MOD3	44			Vss	64		0	SPD1
5		0	XYDO	25	0	1	WND1	45		0	SPD5	65		0	SPDO
6	0	0	XMCDO	26	0		WND2	46	0	ı	TDA	66	0		XRVD
7		0	XRDO	27			VDD	47	0		XTS1	67	0		XRFH
8		0	XPBV	28	_	l —	_	48	0		XTS2	l			
9	0	1	XCLR	29	0		WCK	49	0		XLD				
10	ĺ	0	XCMT	30	-	-	_	50	0		XTRU	l			
111	1	1	Vss	31		0	HNDT	51		0	THD				
12	0		XTS3	32	0		XWZ	52	0	0	XVABS				
13	0	1	RCK	33	l	0	HPLY	53	0	0	XGB	1			
14	0	1	CTL 2	34	0		XDOI	54	0	0	XBID				
15	0	1	XCDN	35	0	1	XD02	55	0	0	XFBD	Į.			
16	0	1	XWE	36	0		HEE	56	0	0	XFRB				
17	0	1	XRMA	37	0	1	XDT	57	1	0	XDGB	1			
18	0	1	XVUP	38	0	l	XNOR	58	0	0	XGH	l			
19	0	1	XBTM	39	0	1	XDOA	59		0	SPD4	l			
20	0		XDOB	40	_	10	SPD7	60		lo.	SPD3	İ			





CXD1024Q (SONY)
C-MOS TIMING PULSE GENERATOR FOR TBC
— TOP VIEW —

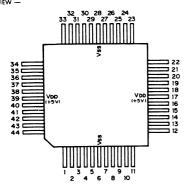


PIN NO	IN/OUT	SYMBOL	PIN NO.	INVOUT	SYMBOL	PIN NO	IN/OUT	SYMBOL	PIN NO.	NOUT	SYMBOL
1	- 1	GND	18	٥	ZEROK	35	0	WVCRZ	52	0	SYNOT
2	1	EOHI	19	0	RZERO	36	0	ADVVS	53	0	BFOUT
3	0	ЕОНО	20	1	ZEROG	37	1	ADVVD	54	0	ESPLD
4	1	BURST	21	0	E14CK	38	1	ADVFL	55	0	. HCKOT
5	0	E45FE	22	1	MODE 1	39	0	HBLK	56		HCKIN
6	0	APCBF	23	ı	MODE2	40		FH	57	1	NOCON
7	1	APCEN	24	1	VB	41	1	٧D	58	0	LALST
	1	E4FS1	25	1	CNR	42	1	HD	59	0	V SET
9	0	E12SC	26	1	E816	43	1	ALT	60		
10	0	SC	27	-	Voo	44	-	Vss	61	- 1	Voo
11	I - I	GND	28	1	TEST	45	1	BLK1	62	1	EXT
12	0	PSC	29	1	EE 8 DL	46	1	FLDOE	63	-	VR
13	0	REFNI	30	1	EE PB	47	1	SYNC1	64	1	HR
14	0	REFOE	31	ı	SV2	48	1	BFIN	65	-	LALTR
15	1	FRB	32	1	SV 1	49	1	DOP	66	1	TGC
16	0	ROK	33	-	REC	50	1	RCLP	67	0	EOHD
17	0	HRCR	34	1	AB	51	1	BLKOT			

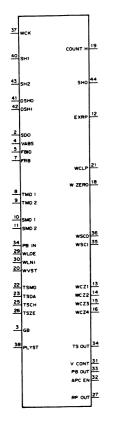
66	TGC		
64	HR		
63	VR		
62	EXT		
		ADV VS	36
56	HCK IN		ĺ
		ADV VD	37
		ADV FL	38
4	BURST		
67	EOHD	H BLK	39
_3	EOHD		
_2	EOHI	LALT	43
	ĺ	SYNC 1	47
9	E12SC		
7	APC EN		
5	E 45 FE		
6	APC BF		
		HCKOT	55
			59
8		V SET	٣
-	E4FS1		
		FH	48
		BF IN	46
57		FLOOE	41
30	NO CON	٧D	42
15	EE PB	HD	45
25	FRB	BLK 1	34
22	CNR	AB	50
23	MODE 1	RCLP	51
24	MODE 2	BLK OT	52
28		SYN OT	14
29	TEST	REF OE	19
31	EE BOL	R ZERO	18
32	SV 2	RCK	16
33	SV 1		10
49	RE C DOP	SC BF OUT	53
26	E816	BF 001	
	2010		12
		P SC	_
20	ZERO G		
	2EM0 G		

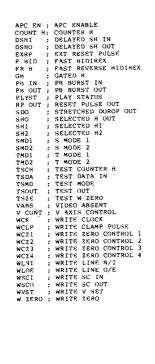
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AB ; ADVANCE SYNC V PHASE CONTROL
ADVVD; ADVANCE SYNC V DUT
ADVVS; ADVANCE SYNC V OUT
ADVVS; ADVANCE SYNC V OUT
ADVVS; ADVANCE SYNC V SET PULSE OUT
ADVVS; APC BURST FLAG
APCED; APC BURST FLAG
APCED; APC BURST FLAG
BF IN ; BF IN
BF IN ; BF IN
BF IN ; BF IN
BF IN ; BF IN
BF IN ; BF IN
BF IN ; BF IN
BF IN ; BF IN
BLANKING IN
BLKOTT ; BLANKING IN
BLKOTT ; BLANKING IN
BLOOP; CLAMP PULSE INHIHIT
E 12SC ; 1/2 SC OUT
E4FSI ; 4 FSC IN
E4FSI ; 4 FSC OUT
E4FSI ; 4/5 FSC OUT
E8/6 ; 16/32
EEBBL ; BH DELAY
EEPB ; ADVANCE OFF
EOHD ; H IN
EOHO ; H IN
EOHO ; H IN
EOHO ; H IN
EOHO ; H IN
EOHO ; H IN
ENT ; EXT
FH ; FH
FLOOE ; FIELD O/E
FRB ; FIRST REVERSE BIDIREX
HBLK ; H BLANKING PULSE
HCK IN ; HCK IN
HCK OT ; HCK OUT
HD
HR ; H BLANKING PULSE
LALT ; LINE ALTERNATE SET
LALT ; LINE ALTERNATE SET
LALT ; LINE ALTERNATE RESET
MODE 1; MODE 1
MODE 2 ; MODE 2
MODE 1
MODE 1
MODE 2
FRE ; READ CK
RZERO ; READ CK
RZERO ; READ CK
RZERO ; READ CK
RZERO ; READ CK
RZERO ; SC OUT
SV 1 ; SV 1
SV 2 ; SV 2
SYNCI ; SYNC IN
SYNOT ; SYNC IN
SYNOT ; SYNC IN
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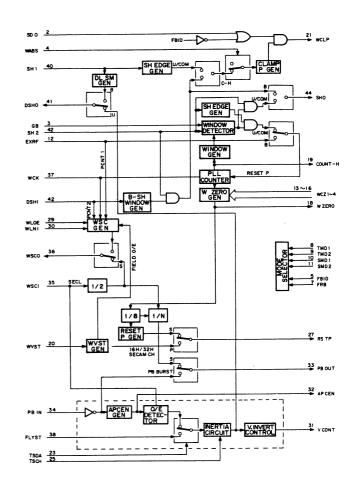
# CXD1045Q (SONY) C-MOS PLL COUNTER FOR TBC (WRITE CLOCK) — TOP VIEW —



PIN NO	INJOUT	SYMBOL	PIN NO	N/OUT	SYMBOL	PIN NO	NVOUT	SYMBOL	PIN NO	N/OUT	SYMBOL
,	1	Vss2	12	-	EXRP	23	,	TSDA	34	_	PBIN
2	1	SDO	13	-	WCZ1	24	-	TSOUT	35	-	WSC1
3	1	GB	14	1	WCZ2	25	1	TSCH	36	0	wsco
4	1	VABS	15	,	WCZ3	26	,	TSZE	37		WCK
5	1	FBID	16	1	WCZ4	27	0	RPOUT	38		PLYST
6	1	Vss	17	- 1	Voo	28	- 1	Vss	39	-	Voo
<del>-</del> -	1	FRB	18	0	WZERO	29	1	WLOE	40	-	SHI
•	1	TMD 1	19	0	COUNT H	30	1	WLNI	41	0	DSHO
9	1	TMD 2	20	1	WVST	31	0	V CONT	42		DSHI
10	1 1	SMO 1	21	0	WCLP	32	0	APC EN	43	-	SH2
11	1	SMD 2	22	١, ١	TSMO	33	0	PBOUT	44	0	SHO





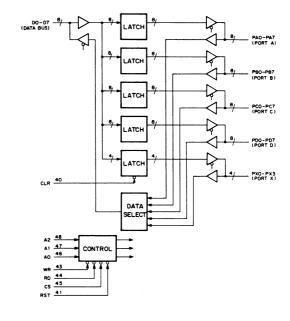




51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 39 | 34 | 33 | GND 0

GND 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PS.	IN	OUT	SYMBOL
-			NC	17	0	0	PC6	33			NC	9	0	0	PXO
2			NC	18	0	0	PC7	34			NC	50	0	0	PX1
3	0	0	PB 1	19			NC	35	0	0	03	51			NC
4	0	0	PB 2	20	0	0	PDO	36	0	0	D4	52	0	0	PX 2
5	0	0	PB3	21	0	0	PD1	37	0	0	D5	53	0	0	PX3
6	0	0	P84	22	0	0	PD2	38	0	0	D6	54	0	0	PAO
7	0	0	PB5	23	0	0	PD3	39	0	0	D7	55	0	0	PA1
8	0	0	PB6	24	0	0	PD4	40	0		CLR	56	0	0	PA2
9	0	0	PB7	25			GND	41	0		RST	57			GND
10			GND	26	0		VDD (+5V)	42			GND	58	0		VDD (+5V)
11	0	0	PCO	27	0	0	PD5	43	0		WR	59	0	0	PA3
12	0	0	PC1	28	0	0	PD6	44	0		RD	60	0	0	PA4
13	0	0	PC2	29	0	0	P07	45	0		CS	61	0	0	PA5
14	0	0	PC3	30	0	0	DO	46	0		AO	62	0	0	PA6
15	0	0	PC4	31	0	0	DI	47	0		A1	63	0	0	PA7
16	0	0	PC5	32	0	0	D2	48	0		A2	64	0	0	PBO

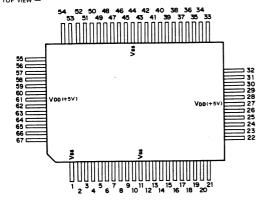


		PAO	54	
1			55	
1			56	
			59	
		PA5	61	
30	DO		62	
31	D1	PA7	63	
32	D2			
30	D3	, 00	3	
36	D4	PB1	1	
37	D5	PB2	3	
38 39	D6	PB3	6	
33	07	P84	7	
40		P85	8	
50	PXO	PB6	_	
52	PX1	P87	ř	
53	PX2 PX3		11	
-	PX3		12	
46	AO		13	
47	AO	PC2 PC3	14	
	A2	PC4	15	
	**	PCS	16	
45	cs	PC6	17	
44	RD	PC7	18	
43	WR		l	
_		PD0 PD1 PD2 PD3 PD4 PD5 PD6	20	
41	RST	PD1	21	
40	CLR	P02	22	
		PD3	23	
	I	PD4	24	
		P05	27	
		P06	28	
	ĺ	P07	29	
	Ц		J	F

				_	_	
cs	RD	WR	A2	A 1	AO	MODE
0	0	1	0	0	0	PORT A DATA BUS
0	0	1	0	0	1	PORT B - DATA BUS
0	0	1	0	1	0	PORTC - DATA BUS
0	0	1	0	1	1	PORT D-DATA BUS
0	0	1	1	0	0	PORT X - DATA BUS
0	0	1	1	0	1	
0	0	1	1	1	0	
0	0	1	1	1	1	
0	1	0	0	0	0	DATA BUS PORT A
0	1	0	0	0	1	DATA BUS-PORT B
0	1	0	0	1	0	DATA BUS PORT C
0	1	0	0	1	1	DATA BUS-PORT D
0	1	0	1	0	0	DATA BUS-PORT X
0	1	0	1	0	1	
0	1	0	1	1	0	DATA BUS -CTL REG.1
0	1	0	1	1	1	DATA BUS +CTL REG.2
1	X	x	x	X	x	DATA BUS; HI-Z

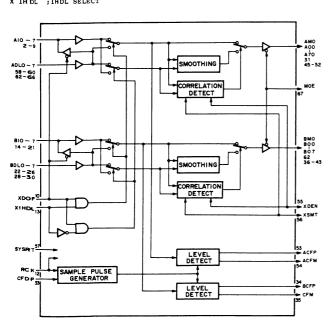
- O; LOW LEVEL
  1; HIGH LEVEL
  X; DON'T CARE
  HI-Z, HIGH IMPEDANCE
- DO-D7; DATA BUS INPUTS/OUTPUTS
  CS; CHIP SELECT INPUT
  RD; READ STROBE INPUT
  WR; WRITE STROBE INPUT
  AO-A2; ADDRESS INPUT
  RST; RESET INPUT
  CLR; CLEAR INPUT
  PAO-PAT; PORT A INPUTS/OUTPUTS
  PBO-PBT; PORT B INPUTS/OUTPUTS
  PCO-PCT; PORT C INPUTS/OUTPUTS
  POO-PD7; PORT D INPUTS/OUTPUTS
  POO-PD7; PORT D INPUTS/OUTPUTS
  PXO-PX3; PORT X INPUTS/OUTPUTS

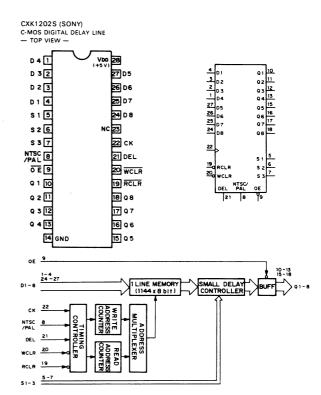
#### CXD1131Q (SONY) C-MOS GATE ARRAY — TOP VIEW —

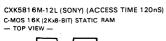


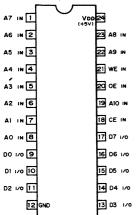
PINNO	INOUT	SYMBOL	PIN NO	IN/OUT	SYMBOL	PIN NO	IN/OUT	SYMBOL	PIN NO	IN/OUT	SYMBOL
1	-	Vss	18		B1 3	35	0	BCFM	52	0	A70
2	1	A17	19	-	B1 2	36	0	BO 0	53	0	ACFP
3	1	AI 6	20	-	811	37	٥	BO 1	54	0	ACFM
4	1	AI 5	21	1	810	38	٥	BO 2	55		XDEN
5		A14	22	1	BDLO	39	0	BO 3	56	$\Box$	XSMT
6	1	A 1 3	23	1	BDL1	40	٥	B04	57		SYSRT
7		A12	24	1	BDL 2	41	٥	B0 5	58		ADL 7
8		Al I	25	1	BDL 3	42	0	B0 6	59		ADL 6
9	1	AIO	26	1	BDL 4	43	0	80 7	60	F	ADL 5
10		XDOP	27	_	VDD	44		Vss	61	1 – 1	VDD
11	-	Vss	28	1	BDL5	45	0	A00	62	1	ADL4
12	1	RCK	29	-	BDL 6	46	0	A10	63	1	ADL 3
13		X 1HDL	30	-	BOL 7	47	0	A20	64		ADL2
14	<b>—</b>	B17	31	0	AMO	48	0	A 30	65		ADL 1
15		816	32	0	BMO	49	0	A 40	66		ADLO
16	1	B15	33	1	CFDP	50	0	A50	67		HOE
17	1	B1 4	34	0	BCFP	51	0	A 60	Γ		

ACFM ;A-ch COLOR FRAME ID MINUS
ACFP ;A-ch COLOR FRAME ID PLUS
ADLO 7 ;A-ch IN DELAYED INPUT DATA 2°~2′
AIO 7 ;A-ch INPUT DATA 2°~2′
AOO A70 ;A-ch OUTPUT DATA 2°~2′
BCFM ;B-ch COLOR FRAME ID MINUS
BCFP ;B-ch COLOR FRAME ID MINUS
BCDLO 7 ;B-ch INPUT DATA 2°~2′
BIO 7 ;B-ch INPUT DATA 2°~2′
BMO ;B-ch OUTPUT DATA 2°~2′
CFDP ;COLOR FRAME ID DETECT PULSE
HOE ;H; OUTPUT ENABLE
RCK ;READ CK
SYSRT ;SYSTEM RESET
X DEN ;CORRELATION DETECT ENABLE
X SMT ;SMOOTHING
X 1HDL ;1HDL SELECT









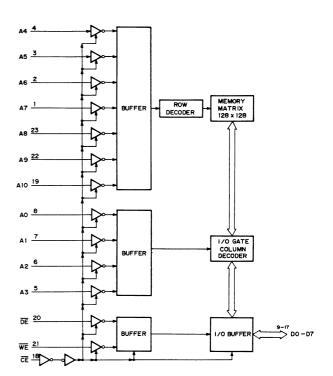


AO-AIO; ADDRESS INPUTS
CE ; CHIP ENABLE INPUT
DO-D7; DATA INPUTS/OUTPUTS
OE ; OUTPUT ENABLE INPUT
WE ; WRITE ENABLE INPUT

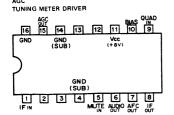
MODE SELECTION

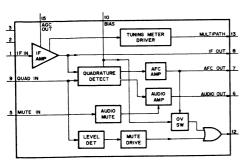
1	CONT	ROL M	<b>VPUTS</b>	MODE
ĺ	CE	DΕ	WE	MODE
	1	х	X	NO CHANGE
	0	1	1	DISABLE OUTPUT
	0	0	1	READ
	0	1.	0	WRITE

0; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE

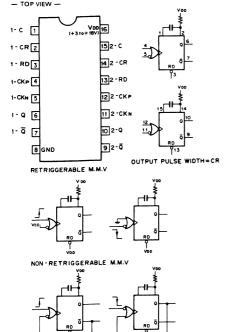


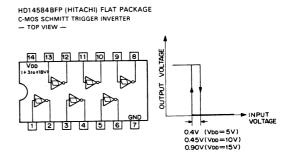
HA12411 (HITACHI)
FM IF AMPLIFIER
QUADRATURE DETECT
AUDIO AMPLIFIER
MUTING
AFC
AGC
TUNING METER DRIVER

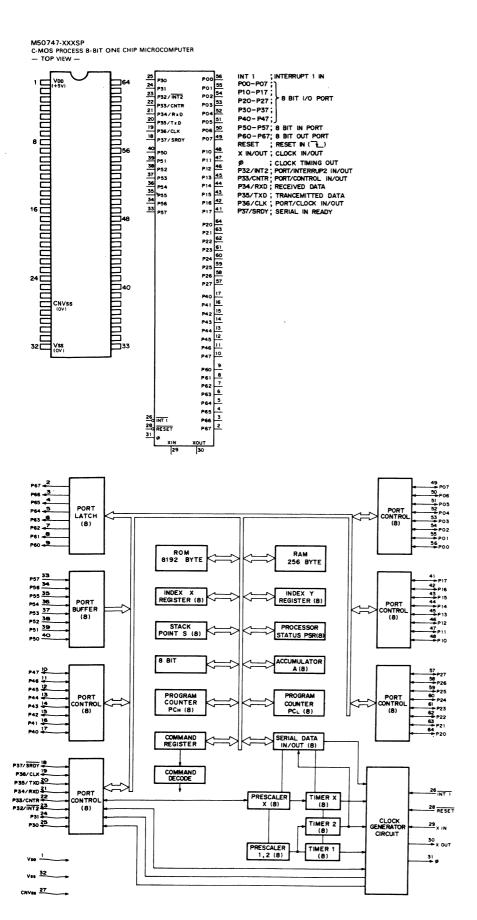




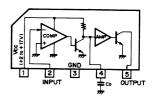
HD14538BFP (HITACHI) FLAT PACKAGE
MC14538BCP (MOTOROLA)
TC4538BF (TOSHIBA) FLAT PACKAGE
TC4538BP (TOSHIBA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE
MONOSTABLE MULTIVIBRATOR
— TOP VIEW —

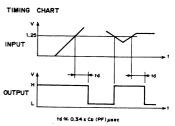




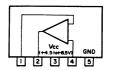


M51958BL (MITSUBISHI) VOLTAGE DETECT DELAY — PRINTED SIDE VIEW —

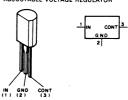




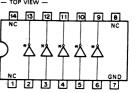
M5215L (MUTSUBISHI) FM IF AMPLIFIER — REAR VIEW —



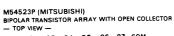
M5236L (MITSUBISHI)
ADJUSTABLE VOLTAGE REGULATOR

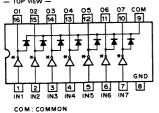


M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
— TOP VIEW —

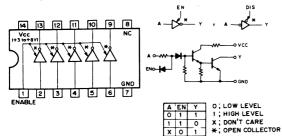




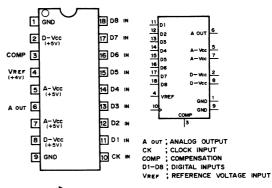


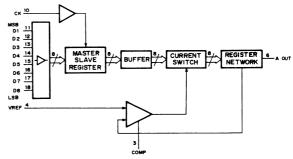




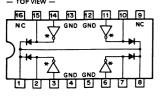


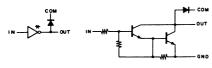
#### MB40778P (FUJITSU) 8-BIT VIDEO D/A CONVERTER — TOP VIEW —





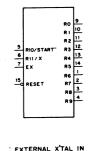
# M54532P (MITSUBISHI) DARLINGTON TRANSISTOR ARRAY WITH CLAMP DIODE — TOP VIEW —



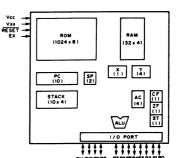


#### MB88201 H-539N (FUJITSU) C-MOS 4 BIT MICROCOMPUTER — TOP VIEW —

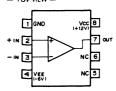
R6 1/0 T (+4.5V105.5V) | 6 | R7 1/0 | 2 | 19 | RESET IN R8 1/0 | 3 | 14 | R5 1/0 | 17 | R5 1/0 | 17 | R7 1/0 | 17 | R7 1/0 | 17 | R7 1/0 | 18 | R7 1/0 | 19 | R7 1/0 | 19 | R7 1/0 | 19 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10 | R7 1/0 | 10



EX ; EXTERNAL XTAL IN
RO-RII; I/O PORT(R) IN/OUT
RESET; RESET IN
START; STANDBY RELEASE IN
RII/X; EXT CLOCK IN/INT CLOCK OUT

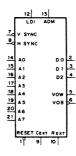


MB4O02PF (FUJITSU) FLAT PACKAGE VOLTAGE COMPARATOR, — TOP VIEW —



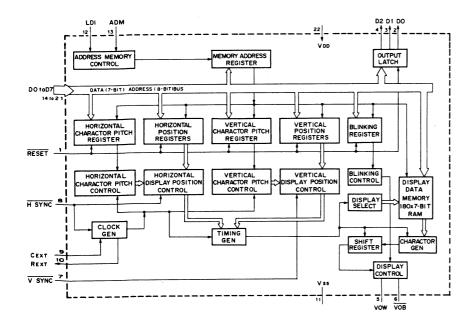
MB88303 (FUJITSU)
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
— TOP VIEW —

- 10F VIE		-		
RESET IN	₫	0	22 V00 (+5V)	г
DO OUT	2		21 A7 IN 3	
D1 out	3		EGI MO IN	-
D2 OUT	4		19 A5 IN 1	5
VOW OUT	5		18 A4 IN	15 16 17 18 19 10 11
VOB out	6		17 A3 IN	9
V SYNC IN	区		16 A2 IN 2	
H SYNC IN	8		15 A1 IN	Ŀ
CEXT	9		14 AO IN	
REXT	10		13 ADM IN	
	11	GND	12 LD1 1N	



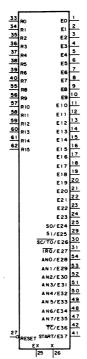
b3-b0	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
00	A	В		D	E	F	G	H	I	J	K		M	•		BLANK
01	N	0	P	Q	R	S		U	Ų	M	X	Y	Z	:		
10	0	1	2	3	4	5	6	7	8	9	?		7		BACK	)
11	1	4	+	<b>→</b>	+		×			8						

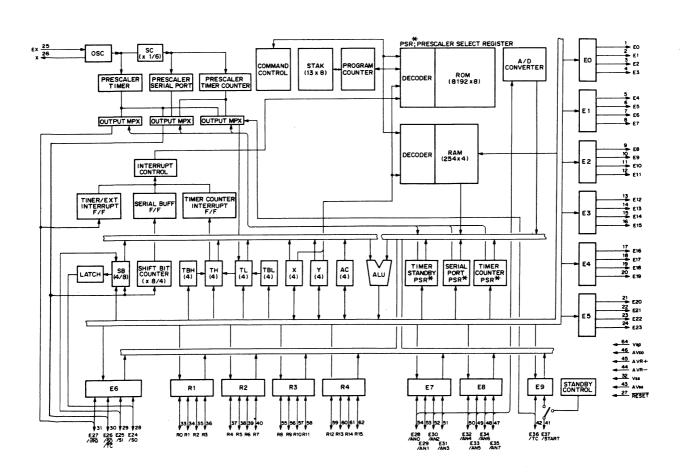
ADM ADDRESS INCREMENT MODE
A0 10 A7 ADDRESS INPUT
D0 10 D2 DATA OUTPUT
CEXT EXT CAPACITOR FOR OSC
LDI LOAD DATA AND INSTRUCTION
VOB VIDEO BLACK OUT
VOW
Q VIDEO WHITE OUT
REXT EXT RESISTOR FOR OSC

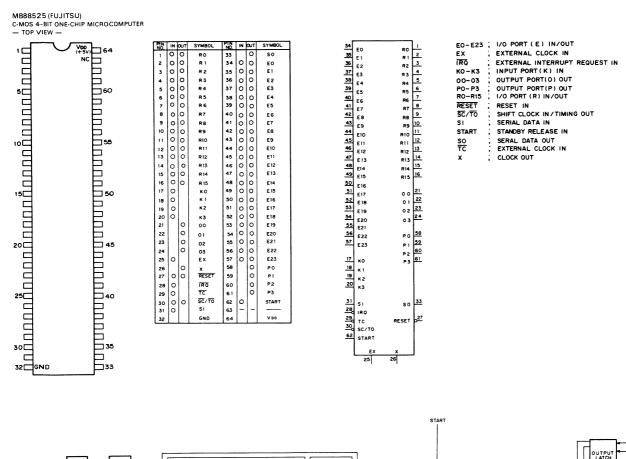


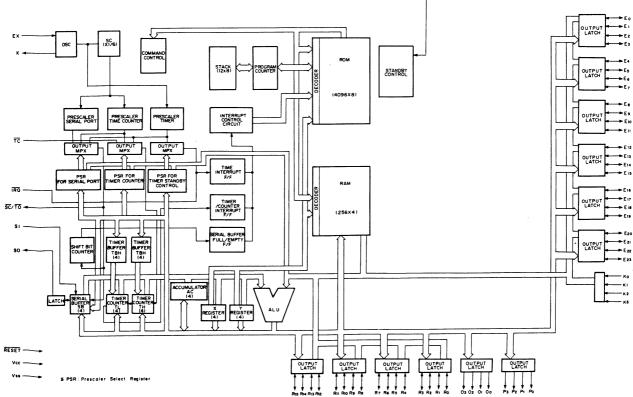
MB88515B-280M (FUJITSU)
C-MOS 4 BIT ONE-CHIP MICROCOMPUTER WITH MULTI I/O AND 8 BIT A/D CONVERTER
— TOP VIEW —

1			IPINT			PINI			SYMBOL
NC	ە 1–ى،	VDO HEA		_			<del>~</del>		
3	'Ħ		1 1				$\approx$	$ \mathbf{x} $	
11	Ħ	~~ H							
1	Ħ	Ħ	1 1 1	$\times$ I			$\simeq$		1
1	•≒	Ħ <sub>6</sub>		$\times$ I			$\mathbb{R}$	$ \mathcal{L} $	
11	<b>"</b> #	$\frown$ $H^{\infty}$	1 1	$\approx$ 1			$\times$	$ \mathbf{x} $	
11	=		1 - 1	$\approx$ 1			$\sim$		
11	$\exists$	$\smile$ $\vdash$	1 1	$\simeq$			$\simeq$	IX.	
11	=	Ħ		ΩI			12	121	
11	.,;⊟	≓.,		121			12		
15	'"⊟	≓"	1	121			0	10	
15	⊨	H		$ \mathcal{S} $					
15	=	Ħ		$\mathbb{Z}$				1	
25	=	Ħ	1 - 1			1			1 1
25	. <u>.</u> =	H.	1111	lŎ.		1	_	_	1
25	'"#	Ħ <sup>™</sup>		ΙQ			ΙŎ		
25	=	<b>=</b>	11	ΙŎ			ΙÓ		
25	ㅂ	E	1	O			IQ.	IQ.	
25	=		1	ΙQ					
25	-∞Ħ			IQ.				IQ	
25	~≒			ΙŌ			lÖ.	ΙÖ	
25	Ħ			ΙŌ			ĺÖ	10	
25	=	**************************************		ΙŌ			lΩ	10	
25	늬	Ħ		ΙŌ				ΙÖ	
31 O O E27/TRO 63	~-H	≓		10				10	
31 O O E27/TRO 63	29'1			_			ΙÖ	18	
31 O O E27/TRO 63	$\exists$		1 1	O			10	18	1
31 O O E27/TRO 63	ㅂ	$\smile$	-  -	IQ.		1	10	10	
31 O O E27/TRO 63	늬	H		ΙQ				10	
31 O O E27/TRO 63	띨	H	29 🔘	10				ΙQ	
TO THIS IN THE TOTAL THE T		H		Q				10	R15
32 Vss 64 V00	\-\-\vs	≓		10				1-	
	52 L	⊢33	32	<u> </u>	Vss	64	<u></u>		VDD

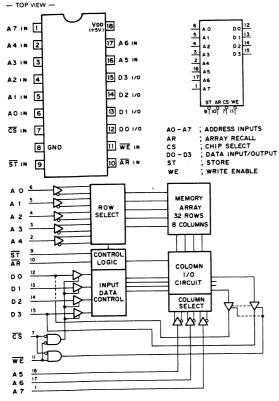








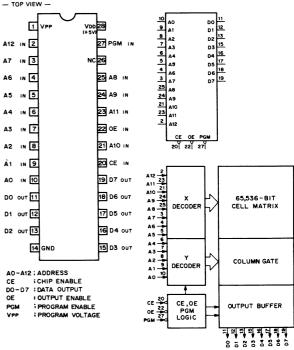
MBM2212-25P (FUJITSU) (ACCESS TIME = 250 nS) N-MOS 1024 (256x4)-BIT NONVOLATILE STATIC RAM



	IN	PUTS		1/0	MODE
cs	WE	AR	ST		
1	X	1	1	HI-Z	NOT SELECTED
0	1	1	1	OUTPUT DATA	RAM READ
-	o	1	1	INPUT DATA 1	RAM WRITE "1"
0	0	1	1	INPUT DATA O	RAM WRITE "0"
×	1	0	1	H1 - Z	ARRAY RECALL
1	X	0	1	HI - Z	ARRAY RECALL
×	1	1	0	HI-Z	NONVOLATILE STORING
1	X	1	0	HI - Z	NONVOLATILE STORING

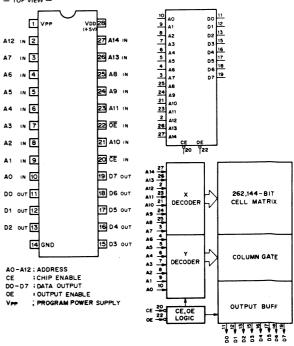
O; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

O:LOW LEVEL 1:HIGH LEVEL X:DON'T CARE HI-Z:HIGH IMPEDANCE MBM2764-25 (FUJITSU) (ACCESS TIME  $=250\,$  nS) N-MOS 64K (8K-8) ERASABLE PROM WITH 3-STATE OUTPUTS — TOP VIEW —

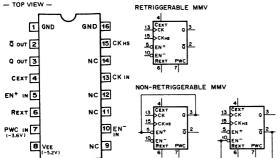


Αn	CE	ΘE	PGM	VPP	Dn	FUNCTION	
Αn	0	0	1	+5٧	DENTERED	READ	l
Αn	0	1	1	+5 V	HI-Z	OUTPUT DISABLE	
Αn	0	0	0	+5V	HI-Z	OUTPUT DISABLE	
x	1	X	х	+5V	HI-Z	STANDBY	O: LOW LEVEL
Αn	0	x	v	+21V	DIN	PGM	1; HIGH LEVEL
Αn	0	0	1	+ 21V	DENTERED	PGM VERIFY	X; DON'T CARE
x	1	×	X	+21 V	HI-Z	PGM INH	HI-Z HIGH INPEDANCE

MBM27C256-25 (FUJITSU) (ACCESS TIME = 250 nS) C-MOS 256K (32K-8) ERASABLE PROM WITH 3-STATE OUTPUTS — TOP VIEW —



MC10198L (MOTOROLA)
ECL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW — RETRIGGE



CK : CLOCK TRIGGER INPUT
CKIS: HIGH-SPEED CLOCK TRIGGER INPUT
EN\*: TRIGGER POSITIVE ENABLE
EN\*: TRIGGER NEGATIVE ENABLE
PWC: EXTERNAL PULSE WIDTH CONTROL

FUNCTION TABLE

EN+ EN- TRIG.SLOPE

O O JL

O I JL 1: HIGH LEVEL OUTPUT PULSE WIDTH : PWQ PWQ = 1.19 · CEXT (REXT + 284) WHERE PWQ = SEC

PWG + SEC

CEXT = FARADS

REXT = OHMS

VEE = -5.2V

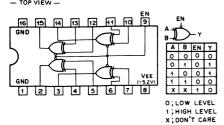
PWC = -3.6V

NOTE ; - SELECT REXT RANGING FROM

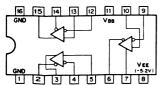
ZERO TO 16K OHMS.

SELECT CEXT GREATER THAN

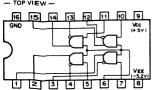
MC10H113M (MOTOROLA) FLAT PACKAGE ECL EXCLUSIVE OR GATE — TOP VIEW —



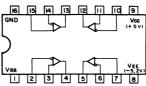
MC10H1 1 6M (MOTOROLA) FLAT PACKAGE ECL DIFFERENTIAL OR/NOR LINE RECEIVER - TOP VIEW -



MC10H124M (MOTOROLA) FLAT PACKAGE ECL TTL-TO-ECL TRANSLATOR — TOP VIEW —



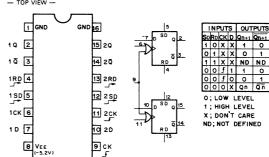
MC10H125M (MOTOROLA) FLAT PACKAGE ECL ECL-TO-TTL TRANSLATOR — TOP VIEW —



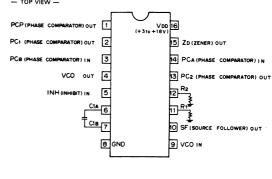
MC10H131 M (MOTOROLA) FLAT PACKAGE

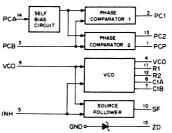
ECL D-TYPE FLIP FLOP

— TOP VIEW —

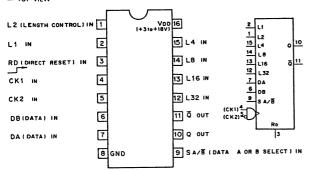


MC14046BCP (MOTOROLA) C-MOS PHASE LOCKED LOOP — TOP VIEW —





MC14557BF (MOTOROLA) FLAT PACKAGE C-MOS 1-TO-64-BIT VARIABLE LENGTH SHIFT REGISTER — TOP VIEW —



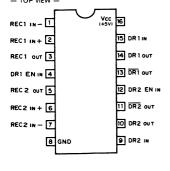
#### LENGTH SELECT TRUTH TABLE

L32	L16	LB	L4	L2	L1	REGISTER LENGTH
0	0	0	0	0	0	1 - BIT
0	0	0	0	0	1	2 - BIT
0	0	0	0	1	0	3 - BIT
0	0	0	0	1	1	4 - BIT
0	0	0	1	0	0	5-BIT
I	1					
	;					i
1	1	1	1	0	0	61 - BIT
1	1	1	1	0	1	62 - BIT
1	1	1	1	1	0	63 - BIT
1	1	1	1	1	1	64 - BIT

	NPL			OUTPUT
RD	SAE	CK1	CKS	o
0	0	۲	0	DB
0	1	Կ	0	DA
0	0	1	ام	DB
0	1	1	ام	DA
1	x	X	X	0

O; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE

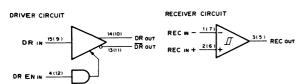
# MC34051P (MOTOROLA) RS-422 DRIVER/RECEIVER — TOP VIEW —



DR EN	MODE
0	DISABLE
1	ENABLE

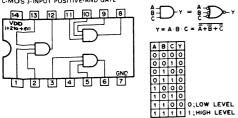
0 ; LOW LEVEL 1 ; HIGH LEVEL

DR; DRIVER
DR EN; DRIVER ENABLE
REC; RECEIVER

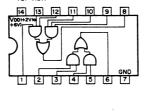


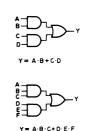
### MC74HC11F (MOTOROLA) FLAT PACKAGE TC74 HC11P (TOSHIBA) C-MOS 3-INPUT POSITIVE-AND GATE

14 13 12 11 10 9 8 VDD (+210+6V)

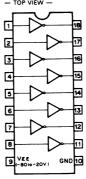


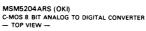
MC74HC58N (MOTOROLA) CMOS 2-WIDE 2-INPUT/3-INPUT AND-OR GATE — TOP VIEW —

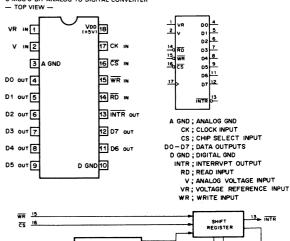


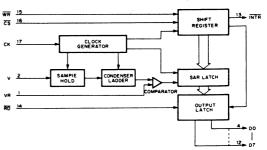


MSL917RS (OKI)
VACUUM FLUORESCENT DISPLAY DRIVER
— TOP VIEW —









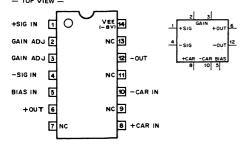
NE5532P (TI) LOW NOISE OPERATIONAL AMPLIFIER — TOP VIEW —



NJM082M (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER (J FET-INPUT) — TOP VIEW —



NJM1496 M (JRC) FLAT PACKAGE BALANCED MODULATOR/DEMODULATOR — TOP VIEW —



NJM204 1 M-D (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER — TOP VIEW —



NJM2043DD (JRC) NJM2043M-D (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER — TOP VI EW —



NJM2903D (JRC) NJM2903M (JRC) FLAT PACKAGE uPC393G2 (NEC) FLAT PACKAGE VOLTAGE COMPARATOR — TOP VIEW —



NJM4556D (JRC) OPERATIONAL AMPLIFIER — TOP VIEW —



NJM4558D (JRC) NJM4558D-FA (JRC) NJM4558M (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER — TOP VIEW —



NJM4560DD (JRC) NJM4560M (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER — TOP VIEW —



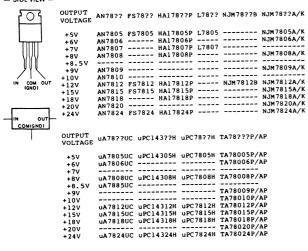
NJM4562D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



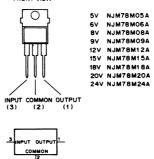
#### NJM5532M (JRC) FLAT PACKAGE OPERATIONAL AMPLIFIER — TOP VIEW —



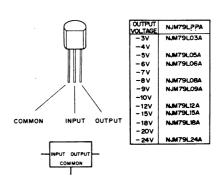
# NJM78 ? ?A (JRC) POSITIVE VOLTAGE REGULATOR (1A) — SIDE VIEW —



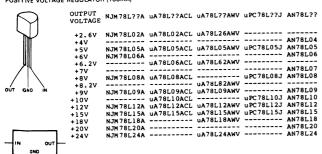
## NJM78M ? ?A (JRC) POSITIVE VOLTAGE REGULATOR (500mA) — FRONT VIEW —



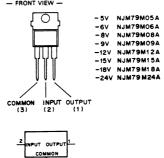
NJM79L ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —

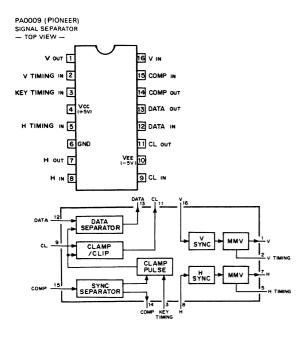


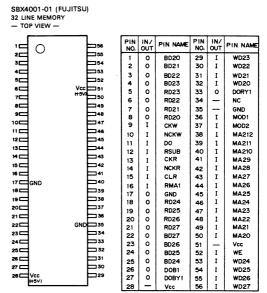
### NJM78L ? ?A (NEC) POSITIVE VOLTAGE REGULATOR (100mA)

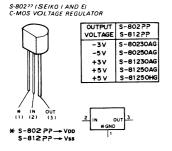


#### NJM79M ? ?A (JRC) NEGATIVE VOLTAGE REGULATOR (500mA) — FRONT VIEW —

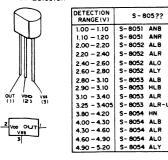


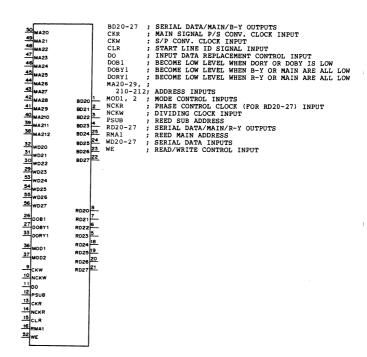


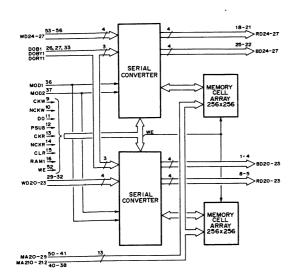


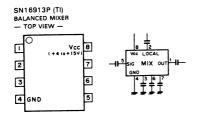




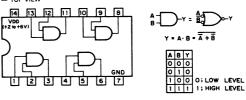




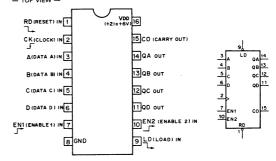






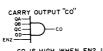


SN74HC161NS (TI) FLAT PACKAGE C-MOS SYNCHRONOUS PRESETTABLE 4-BIT BINARY COUNTER — TOP VIEW —



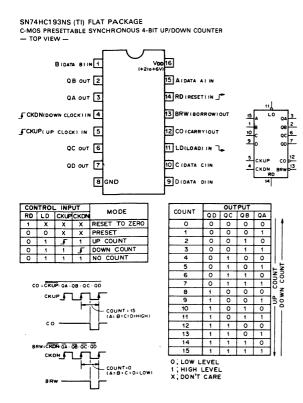
CO	NTRO	L INF	PUT	MODE	
RD	LD	EN1	EN2	MODE	
0	x	×	x	RESET (ASYNCHRONOUS	
1	0	×	×	PRESET (SYNCHRONOUS)	
1	1	0	Х	NO COUNT	
1	1	X	0	NO COUNT	
1	1	1	1	COUNT	

O; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE



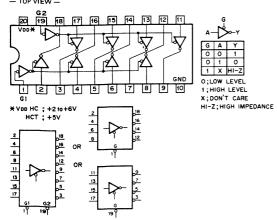
CO IS HIGH WHEN ENZ INPUT IS

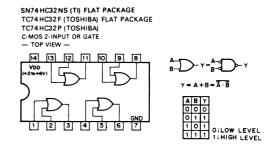
COUNT SEQUENCE									
COUNT		OUT	PUT						
COUNT	QD	QC	QB	QA					
0	0	0	0	0					
1	0	0	0	1					
2	0	0	1	0					
3	0	0	1	1					
4	0	1	0	0					
5	0	1	0	1					
6	0	1	1	0					
7	0	1	1	1					
8	1	0	0	0					
9	1	0	0	1					
10	1	0	1	0					
11	1	0	٦.	1					
12	1	1	0	0					
13	1	1	0	1					
14	1	1	1	0					
15	1	1	1	1					



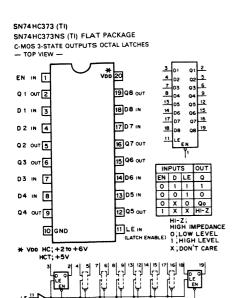
SN74HC245NS (TI) FLAT PACKAGE TC74HC245P (TOSHIBA) C-MOS BILATERAL BUS TRANSCEIVERS WITH 3-STATE OUTPUT — TOP VIEW v.<del>\*\*</del>20 DIR IN 1 3 4 5 6 7 8 19 EN IN A1 2 A23 18 B 1 A34 17 B2 A45 16 B 3 A5 6 15 B4 EN DIR OPERATION
O O B to A
O 1 A to B A6 7 14 B 5 A7 8 13 B6 O; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE HI-Z; HIGH IMPEDANCE A8[9 12 87 10 11 88 \* VDD HC:+2 to +6V

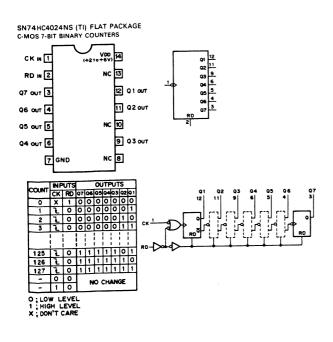
SN74HC24ONS (TI) FLAT PACKAGE C-MOS 3-STATE INVERTER/LINE DRIVER — TOP VIEW —

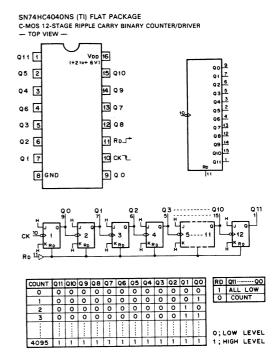


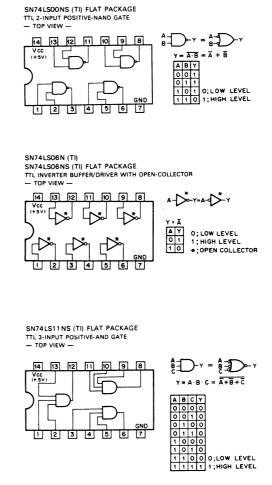


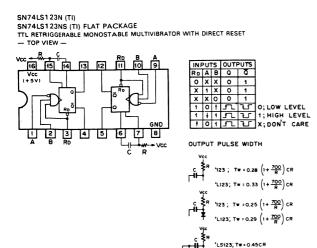
SN74HC368NS (TI) FLAT PACKAGE C-MOS BUS INVERTER WITH 3-STATE OUTPUTS — TOP VIEW — 15 12 16 13 11 fa 9 ١ ₩ GA 0 0 4 ďζ O:LOW LEVEL 1; HIGH LEVEL X; DON'T CARE HI-Z; HIGH IMPEDANCE 4 5 6 7 8





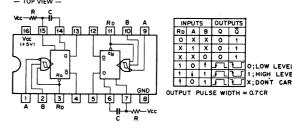


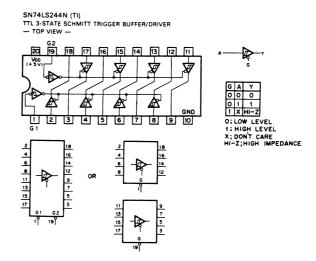




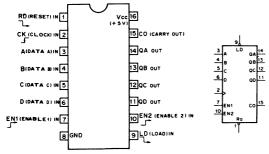
SN74LS164NS (TI) FLAT PACKAGE TTL 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTER — TOP VIEW — (+ 5V) 14 A B 2 13 Q 8 12 Q7 Q 2 4 11 06 10 Q5 Q 3 5 Q 4 6 B CK (CLOCK) 7 GND O;LOW LEVEL C K (CLOCK)

SN74LS221NS (TI) FLAT PACKAGE
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW — 12 H 10 A 9 16 15 14 OUTPUT PULSE WIDTH = 0.7CR 3 4 5 6 7 8





SN74LS1 63ANS (TI) FLAT PACKAGE
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —

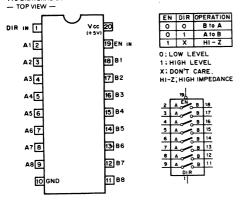


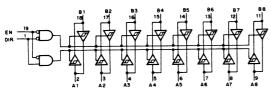
	FROL			MODE
RD	LD	EN1	EN2	moor_
0	×	×	x	RESET (SYNCHRONOUS)
1	0	x	×	PRESET (SYNCHRONOUS)
1	1	0	×	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

оитрит "со" CO IS HIGH WHEN ENZ INPUT IS HIGH AND COUNT IS "15".

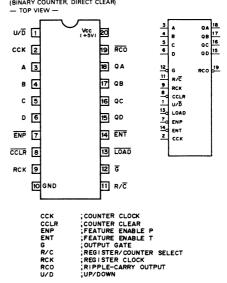
COUNT SEQUENCE OUTPUTS											
COUNT											
	QD	QC	QB	QA							
0	0	0	0	0							
1	0	0	0	1							
2	0	0	1	0							
3	0	0	1	1							
4	0	1	0	0							
5	0	1	0	1							
6	0	1	1	0							
7	0	1	1	1							
8	1	0	0	0							
9	1	0	0	1							
10	1	0	1	0							
11	1	0	1	1							
12	1	1	0	0							
13	1	1	0	1							
14	1	1	1	٥							
15	1	1	1	1							

SN74LS245N (TI)
TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS WITH 3-STATE OUTPUT
— TOP VIEW —

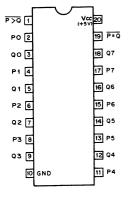




SN74LS697N TTL SYNCHRONOUS UP/DOWN COUNTERS WITH OUTPUT REGISTERS AND MULTIPLEXED 3-STATE OUTPUTS (BINARY COUNTER, DIRECT CLEAR) — TOP VIEW —



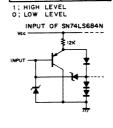
SN74LS683NS (TI) FLAT PACKAGE TTL 8-BIT MAGNITUDE COMPARATOR WITH TOTEM-POLE OUTPUTS — TOP VIEW —



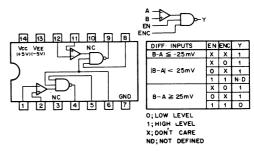


OUTPUTS					
P=Q	P>Q				
0	1				
1	0				
1	1				

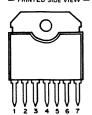
INPUT OF SNYALSSESN
SNYALSSESN
Vcc 20K \$12K
INPUT



SN75107AN (TI) LINE RECEIVER — TOP VIEW —

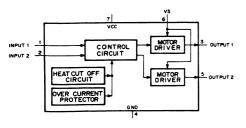




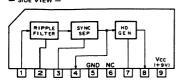


INP	JTS	олт	PUTS	MODE				
1	2	1	2					
	1	0	0	BRAKE				
0	1	0	1	ROTATION/ REV. ROTATION				
Γ	0	1	0	REV. ROTATION / ROTATION				
0	0	H-Z		STOP				

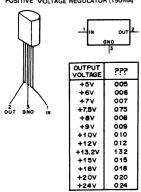
O ; LOW LEVEL 1 ; HIGH LEVEL HI-Z; HIGH IMPEDANCE



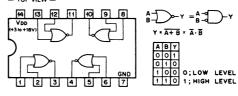
TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —



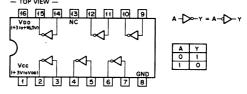
TA78L? ? ?AP (TOSHIBA)
POSITIVE VOLTAGE REGULATOR (150mA)



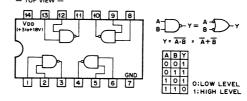
TC4001BF (TOSHIBA) FLAT PACKAGE TC4001BP (TOSHIBA) C-MOS 2-INPUT NOR GATE — TOP VIEW —



TC4009UBP (TOSHIBA)
C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)
— TOP VIEW —

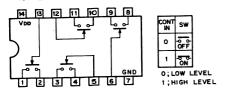


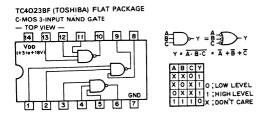
TC4011BF (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT NAND GATE — TOP VIEW —



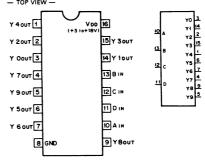






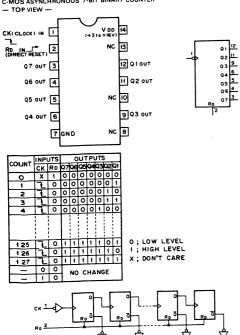


#### TC4028BF (TOSHIBA) FLAT PACKAGE C-MOS BCD TO DECIMAL DECODER — TOP VIEW —

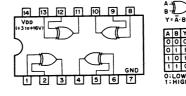


07475	-	NP	UΤ	s			_ (	Dυ.	TP	UT:	5				
STATE	٥	С	В	Α	3	Y١	ភ	ā	<b>Y4</b>	۶	ይ	۶	۶	Υ9	
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	
2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
3	0	0	1	1	0	0	0	1	0	0	0	0	0	0	
4	0	4	0	0	0	0	0	0	1	0	0	0	0	0	
5	0	1	0	1	0	0	0	0	0	1	0	0	0	0	
6	0	1	1	0	0	0	0	0	0	0	1	0	0	0	
7	0	1	1	1	0	0	0	0	0	0	0	1	0	0	O;LOW LEVEL
8	1	X	X	0	0	0	0	0	0	0	0	0	1	0	1;HIGH LEVEL
9	1	X	×	1	0	0	0	0	0	0	0	0	0	1	X DON'T CARE

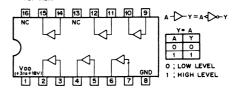
TC4O24BF (TOSHIBA) FLAT PACKAGE C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER — TOP VIEW —

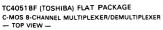


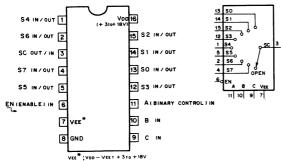
TC4030BF (TOSHIBA) FLAT PACKAGE TC4030BP (TOSHIBA) C-MOS EXCLUSIVE OR GATE — TOP VIEW —



TC4050BF (TOSHIBA) FLAT PACKAGE
TC4050BP (TOSHIBA)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —

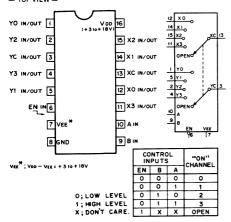






EN	٥	8	Α	"ON" CHANNEL	
0	0	0	0	0	
0	0	0	1	1	
٥	0	1	0	2	
٥	0	1	1	3	
٥	1	0	0	4	
0	1	0	1	5	
0	1	1	0	6	O; LOW LEVEL
0	1	1	1	7	1; HIGH LEVEL
1	X	X	X	OPEN	X: DON'T CARE

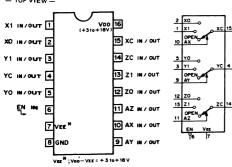
#### TC4052BF (TOSHIBA) FLAT PACKAGE C-MOS 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER — TOP VIEW —



### TC4053 BF (TOSHIBA) FLAT PACKAGE TC4053 BP (TOSHIBA)

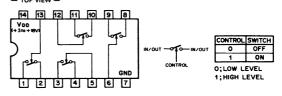
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER

— TOP VIEW —

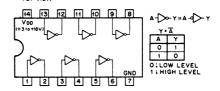


	CON	T. INPUTS	ON
	EN	A (X,Y,Z,)	CHANNEL
O; LOW LEVEL	0	0	0
	0	1	1
X DON'T CARE.	1	X	OPEN

TC4066BF (TOSHIBA)
C-MOS BILATERAL ANALOG SWITCH
— TOP VIEW —



TC4069UBF (TOSHIBA) FLAT PACKAGE TC4069UBP (TOSHIBA) C-MOS INVERTER — TOP VIEW —

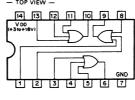


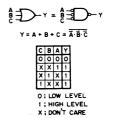
TC4071BF (TOSHIBA) FLAT PACKAGE TC4071BP (TOSHIBA) C-MOS 2-INPUT OR GATE



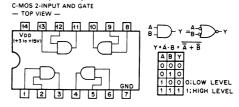


TC4075BF (TOSHIBA) FLAT PACKAGE C-MOS 3-INPUT OR GATE — TOP VIEW —

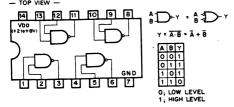




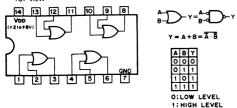
TC4081BF (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT AND GATE



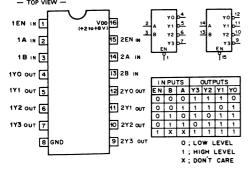
TC40H000F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT NAND GATE — TOP VIEW —



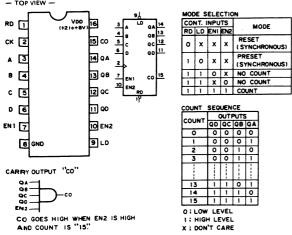
TC40H032F (TOSHIBA) FLAT PACKAGE C-MOS 2-INPUT POSITIVE-OR GATE — TOP VIEW —



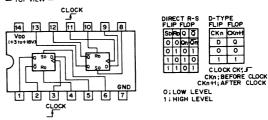
TC40H139F (TOSHIBA) FLAT PACKAGE C-MOS 2-TO-4-LINE DECODER/DEMULTIPLXER — TOP VIEW —



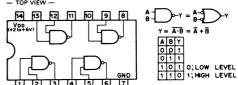
TC4OH163F (TOSHIBA) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —



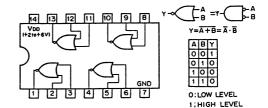
TC504013BF (TOSHIBA) FLAT PACKAGE C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET — TOP VIEW —

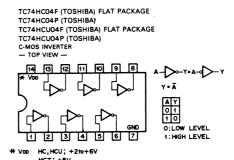




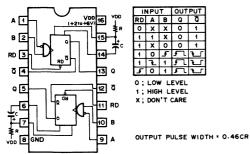


TC74HC02F (TOSHIBA) FLAT PACKAGE TC74HC02P (TOSHIBA) uPD74HC02C (NEC) C MOS 2-INPUT POSITIVE-NOR GATE

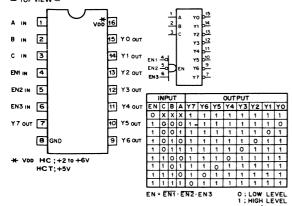




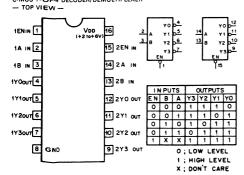
TC74HC123F (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



TC74HC138F (TOSHIBA) FLAT PACKAGE TC74HC138P (TOSHIBA) C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER — TOP VIEW —

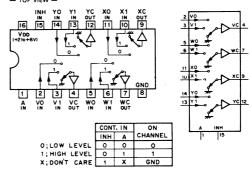


TC74HC1 39F (TOSHIBA) FLAT PACKAGE TC74HC1 39P (TOSHIBA) C-MOS 1-OF-4 DECODER/DEMULTIPLEXER — TOP VIEW —

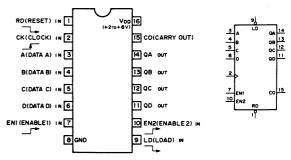


> VDD VN VP 2.0V 0.75V 1.25V 4.5V 1.9V 2.7V 6.0V 2.6V 3.6V

TC74HC157P (TOSHIBA)
C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —



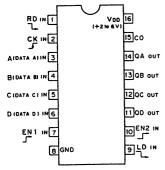
TC74HC160F (TOSHIBA) FLAT PACKAGE
C-MOS SYNCHRONOUS PRESETTABLE 4-BIT DECADE COUNTER
— TOP VIEW —

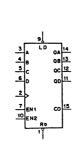


C	ONT	ROL	INPUT	S	*****
RD	LD	EN1	EN2	CK	MODE
٥	x	×	x	x	RESET
٠	^	1 ^	_^	^	(ASYNCHRONOUS)
	0	×	×	-	PRESET
'	U	^	^	J	(SYNCRONOUS)
1	1	0	X	5	NO COUNT
1	1	X	0	5	NO COUNT
1	1	1	1	5	COUNT

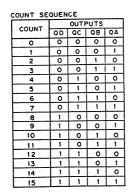
- O; LOW LEVEL 1; HIGH LEVEL X; DON'T CARE

TC74HC163F (TOSHIBA) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
TOP VIEW —





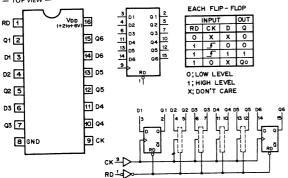
MODE SELECTION								
CON	TROL	INP	UTS	MODE				
Ro	LD	EN1	EN2	MODE				
0	×	×	×	RESET (SYNCHRONOUS)				
1	0	×	×	PRESET (SYNCHRONOUS)				
1	1	0	X	NO COUNT				
1	1	×	0	NO COUNT				
1	1	1		COUNT				



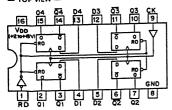


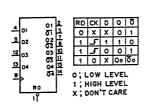
CO IS HIGH WHEN ENZ INPUT IS HIGH AND COUNT IS "15".

TC74 HC174F (TOSHIBA) FLAT PACKAGE C-MOS D-TYPE FLIP-FLOP WITH RESET — TOP VIEW —

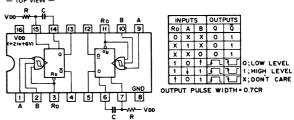


TC74 HC175F (TOSHIBA) FLAT PACKAGE C-MOS D-TYPE FLIP-FLOP WITH RESET — TOP VIEW —

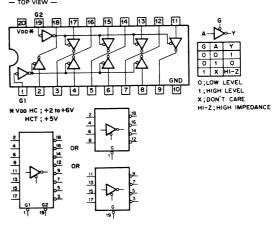




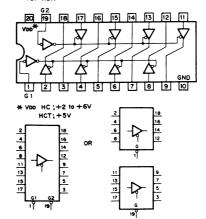
TC74HC221F (TOSHIBA) FLAT PACKAGE C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT — TOP VIEW —



TC74HC240P (TOSHIBA)
C-MOS 3-STATE INVERTER/LINE DRIVER
— TOP VIEW —

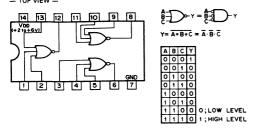


TC74HC244F (TOSHIBA) FLAT PACKAGE TC74HC244P (TOSHIBA) C-MOS BUS BUFFER WITH 3-STATE OUTPUT — TOP VIEW —

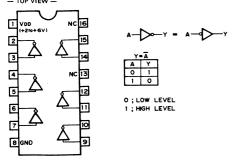




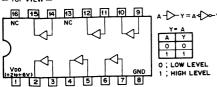
TC74HC27F (TOSHIBA) FLAT PACKAGE C-MOS 3-LINE POSITIVE-NOR GATE — TOP VIEW —



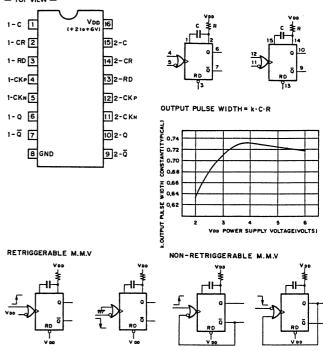
TC74HC4049F (TOSHIBA) FLAT PACKAGE C-MOS HEX BUFFER/CONVERTER (INVERTING) — TOP VIEW—



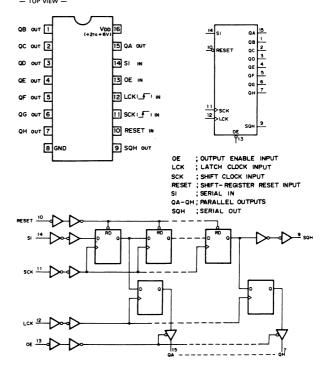
TC74HC4050F (TOSHIBA) FLAT PACKAGE TC74HC4050P (TOSHIBA) C-MOS NON-INVERTING TYPE BUFFER/CONVERTER — TOP VIEW —



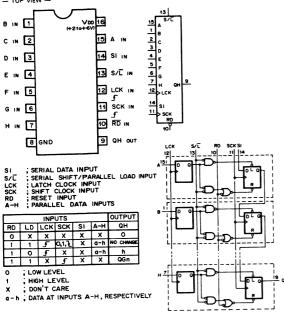
TC74HC4538P (TOSHIBA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



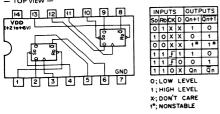
TC74HC595P (TOSHIBA)
C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT
SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT
— TOP VIEW —



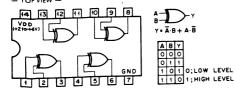




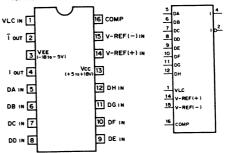
TC74 HC74F (TOSHIBA) FLAT PACKAGE C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET — TOP VIEW —



TC74HC86F (TOSHIBA) FLAT PACKAGE C-MOS EXCLUSIVE OR GATE — TOP VIEW —



TD62901 P (TOSHIBA)
HIGH SPEED 8-BIT D/A CONVERTER
— TOP VIEW —

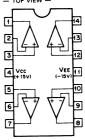


COMP ; COMPENSATION
DA - DH ; BINARY DATA
I COMPLEMENTARY CURRENT
VERF ; REFERENCE VOLTAGE
VLC ; THRESHOLD LEVEL CONTROL

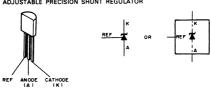
TL082CP (TI)
TL082CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
TOP VIEW —



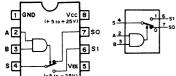
TL084CN (TI)
TL084CNS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
TOP VIEW



TL431 CLPB (TI)
ADJUSTABLE PRECISION SHUNT REGULATOR

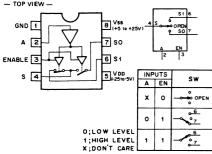


# TL601CPS (TI) FLAT PACKAGE P-MOS ANALOG SWITCH — TOP VIEW —

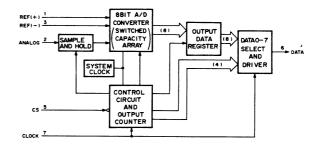


CONT	· IN	ON
Α	В	CHANNEL
0	0	so
0	1	SO
1	0	so
1	1	S1

# TL607CPS (TI) FLAT PACKAGE P-MOS ANALOG SWITCH — TOP VIEW —



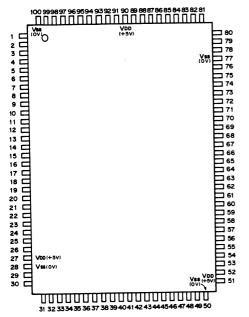
TLC548CP (TI)
C-MOS 8 BIT A/D CONVERTER
— TOP VIEW — 1 REF(+) REF(-) ANALOGIN 2 7 CLOCKINPUT/OUTPUT REF(→) N 3 6 DATA OUT 5 CS IN 4 GND



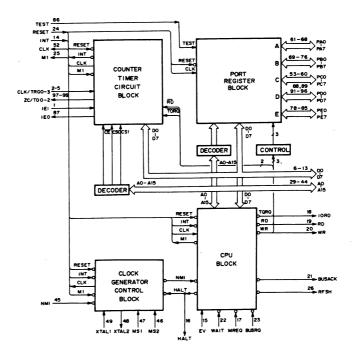
# TLC27M2CPS (TI) FLAT PACKAGE OPERATIONAL AMPLIFIER — TOP VIEW —



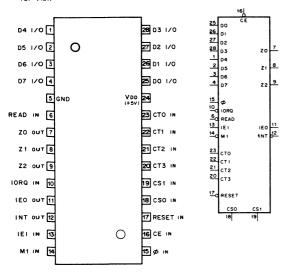
TMPZ84C011AF (TOSHIBA) TMPZ84C011AF-6 (TOSHIBA) C-MOS 8 BIT MICROPROCESSOR — TOP VIEW —



NO.		OUT			IN	TUC	SYMBOL	68	PAO		29		3-STATE ADDRESS BUS OUTPUTS
1	0	-	IEI	51	- 1	$\sim$	Vcc		PA1		30		BUS ACKNOWLEDGE OUTPUT
2	0		CLK/TRG3			ջ	CLK		PA2	441	31		BUS REQUEST INPUT
3	Q		CLK/TRG2			ջ	PC7	65	PA3		32	CLK ;	CLOCK OUTPUT
4	ΙŌΙ		CLK/TRG1	54	0	Ö	PC6		PA4				EXTERNAL CLOCK / TIMER TRIGGERO-3 INPUTS
5	O	_ ]	CLK/TRGO		Ö	Ŏ	PC5		PA5		34		3-STATE DATA BUS INPUTS/OUTPUTS
6	0	O	D7	56	Q	ŎI	PC4		PA6		35		EVALUATER INPUT
7	0	Ō	D6	57	Q	Ŏ	PC3	61	PA7		36	HALT ;	HALT OUTPUT
8	0	Ó	D5	58	Ŏ	ջ	PC2	76	PBO	A 5	37		CTC INTERRUPT ENABLE INPUT/OUTPUT
9	O	Q	D4	59	Q		PC1	75	PBI	A91	38		MASKABLE INTERRUPT REQUEST INPUT
10	Q	Õ	D3	60	읻	Ö	PCO	74	PB2	A10	39		3-STATE I/O REQUEST OUTPUT
11	0	Ō	D2	61	Q	Ŏ	PA7	73	PB3		40		3-STATE MACHINE CYCLE 1 OUTPUT
12	Q	Q	D1	62	ΙŅ	2	PA6	72	P84		41		3-STATE REQUEST OUTPUT
13	ΙQΙ	0	_00	63	ΙŎΙ	잇	PA5	71	PB5	A13	42		MODE SELECT 1/2 INPUTS
14	0		INT	64	Ŏ	Ŏ	PA4	70	PB6	A14	43		NON-MASKABLE INTERRUPT REQUEST INPUT
15	0	۱.	EV	65	Õ	Ö	PA3	69	P87	A15	44	PAO-PA7	
16		Õ	HALT	66	Ŏ	õ			F8/			PBO-PB7	
17	'	١Ŏ	MREQ	67	Q	ŏ	PA1	60	PCO	DO	13		3-STATE I/O PORT
18	1	ΙŎ	IORQ	68	0	Q	PAO PB7	59	PC1	יט	12	PD0-P07	
19	1	Q	RD	69	lŏ	ŏ	PB6	58	PC2	D2	11	PEO-PE7	
20		lõ	WR	70	lõ	0	P85	57	PC3	D3	10		3-STATE READ OUTPUT
21		0	BUSACK	71	lŏ	8	P83	56	PC4	04	9		; RESET INPUT
22		l	WAIT	72	8		PB3		PC5	05	÷		; REFRESH OUTPUT
23		1	BUSREQ	73		8	PB2	54	PC6	D6			TEST INPUT
24		۱_	RESET	74	18	18	PB1	53	PC7	D7	۴		; WAIT REQUEST INPUT
25	1	١ŏ	MT	75 76	18	18	PBO	96	PDO		١.,	WR	; 3-STATE WRITE OUTPUT
26		0	RFSH	77	١٧	١٧	Vss	95	PDI	CLK	52	ZC/100-2	ZERO COUNT/TIME OUT 0-2 OUTPUTS
27		1	Vcc	78	lo	lo	PE7	94	PD2		18		
28		1	AO	79	١ŏ	١ŏ	PE6	93	PD3	IORG	19		
29		18		80		lŏ	PE5	92	PD4	RD	20		
31		18	A2	81		Ιŏ	PE4	91	P05	WR	21		
32		18	A3	82		١ŏ	PE3	89	PD6	BUSACK	26		
33		١ŏ	A4	83		١ŏ	PE2	88	P07	RFSH	16		
34		١ŏ		84		١ŏ	PE1	85	l .	HALT	15		
35		١ŏ		85		١ŏ	PEO	84	1000	EV MREQ	17		
36		١ŏ		86	1 -	1	TEST	83	7551		1 22		
3		١ŏ	A8	87		10	IEO	82	7752	WAIT BUS RO	23		
31		١ŏ		88	ΙO	١ŏ	P07	81	10	BUS HU	r		
39		١ŏ		89			PD6	80	7.54		86		
4	5	١ŏ		90	- اه	1	Vcc	79		TEST	Г		
4		١ŏ		91	10	10	PD5	78					
4		١č		92	:10	10		-			I_		
4		١č		93			PD3	1 -	TOEK! INGO	ZC/TO O	100		
4		١č		94				1 -	CLK/ ING	ZC/TO 1	la-	•	
4		–	NMI	95		10		_3		ZC/TO 2	24		
4			MS2	96		10		_2		RESET	1		
4			MS1	97		ΙŎ		1 1		IEO	۳	•	
4		10	XTAL2	98		١Ŏ		1 4	INT		25		
4	9 C		XTAL 1	99		10	1	≃	NMI	M 1	$\Gamma$	•	
5	ᆝ	$\perp$	Vss	10	<u> </u>		Vss	J	MS1 MS2				
			-						47 46	49 4	8		



TMPZ84C30AP-6 (TOSHIBA)
C-MOS COUNTER TIMER CIRCUIT
— TOP VIEW —



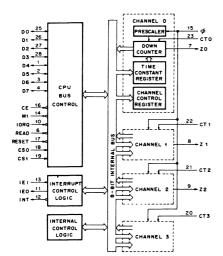
; SYSTEM CLOCK ; CHIP ENABLE Ø CE

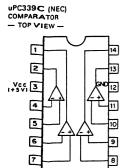
CE CHIP ENABLE
CSO,CS1; CHANNEL SELECT
CTO-CT3; EXTERNAL CLOCK/TIMER TRIGGER
DO-D7; 3-STATE DATA INPUT/OUTPUT
IEI INTERRUPT ENABLE INPUT
IEO INTERRUPT ENABLE OUTPUT
INT INTERRUPT REQUEST (OPEN DRAIN)

; I/O REQUEST ; MACHINE CYCLE 1 ; READ CYCLE STATUS ; ZERO COUNT/TIME OUT IORQ M1 READ Z0-Z2

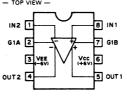
CHANNEL SELECT FUNCTION										
	CS1	cso	SELECTED CHANNEL							
	0	0	0							
	0	1	1							
	1	0	2							
	1	1	3	ı						

O;LOW LEVEL





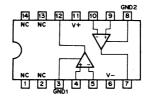
uPC1663G (NEC) FLAT PACKAGE WIDEBAND VIDEO AMPLIFIER — TOP VIEW —



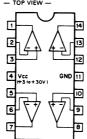
uPC311G2 (NEC) FLAT PACKAGE VOLTAGE COMPARATOR — TOP VIEW —



uPC319G2 (NEC) FLAT PACKAGE VOLTAGE COMPARATOR — TOP VIEW —

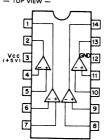


uPC324C (NEC) QUAD. OP AMPLIFIER — TOP VIEW —



uPC339G2 (NEC) FLAT PACKAGE COMPARATOR

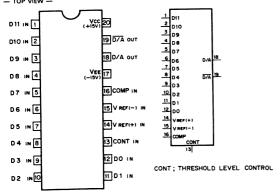
- TOP VIEW -

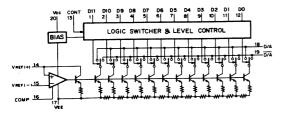




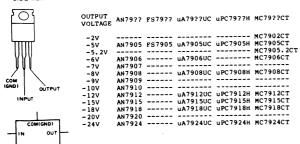


## uPC648C (NEC) 12-BIT D/A CONVERTER WITH OPEN COLLECTOR OUTPUT — TOP VIEW —

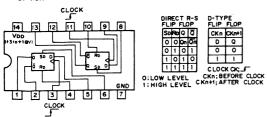




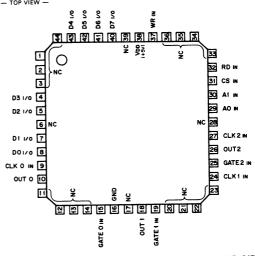
#### uPC79 ??H (NEC) NEGATIVE VOLTAGE REGULATOR (1A) — SIDE VIEW —



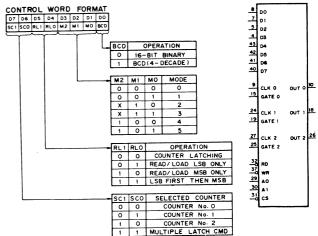
## uPD4013BC (NEC) C-MOS 0-TYPE FLIP-FLOP WITH DIRECT SET/RESET — TOP VIEW —

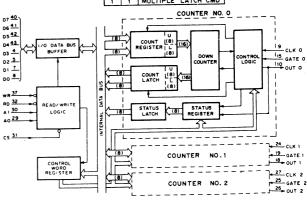


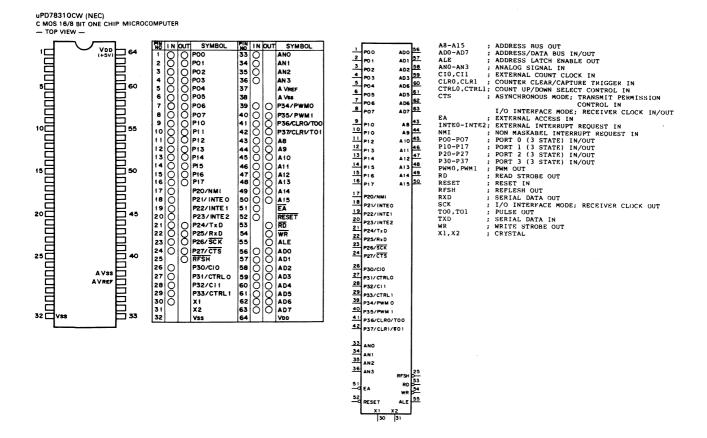
uPD71054G (NEC) FLAT PACKAGE C-MOS PROGRAMMABLE TIMER COUNTER — TOP VIEW —

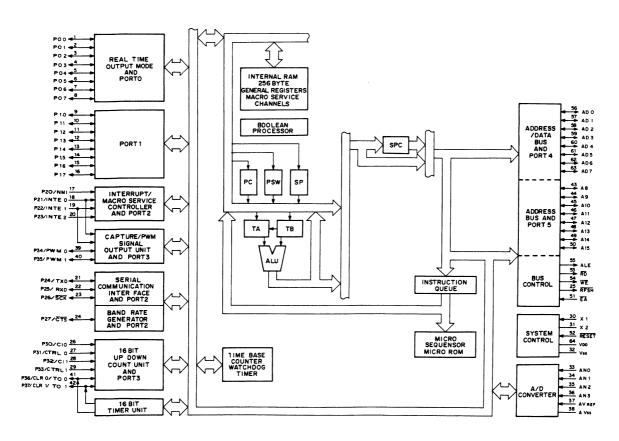


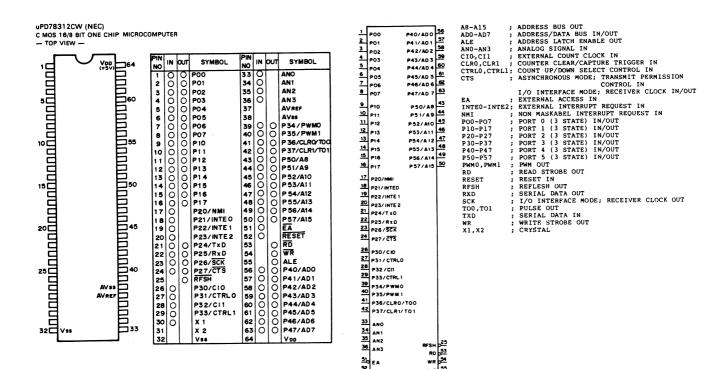
FUN	сті	ON	TAI	BLE		D7'-D0 ; 8-BIT DATA 1/0
	INPUTS				FUNCTION	CLK 0-2 ; COUNTER CLOCK
cs	RD	WR	A1	AO	, 61.07.011	GATE 0-2 ; COUNTER GATE
0	1	0	0	0	Load Counter No. O	OUT 0-2 ; COUNTER OUTPUT
0	1	0	0	1	Load Counter No. 1	RD ; READ COUNTER
0	1	0	1	0	Load Counter No. 2	WR ; WRITE CMD OR DATA
0	1	0	1	1	Control Word	CS ; CHIP SELECT
0	0	1	0	0	Read Counter O	AO,A1 ; COUNTER SELECT
0	0	1	0	1	Read Counter 1	
0	0	1	1	0	Read Counter 2	O;LOW LEVEL
0	0	1	1	1	No-Operation (HI-Z)	1 HIGH LEVEL
1	x	X	x	×	Disable (HI-Z)	X;DON'T CARE
0	1	1	×	×	No-Operation (HI-Z)	HI-Z;HIGH IMPEDANCE

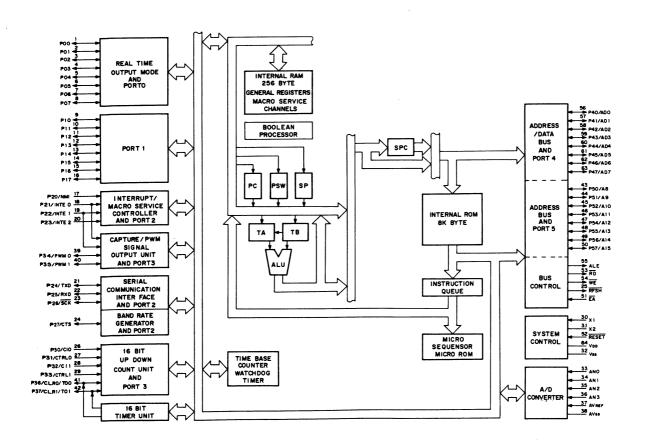




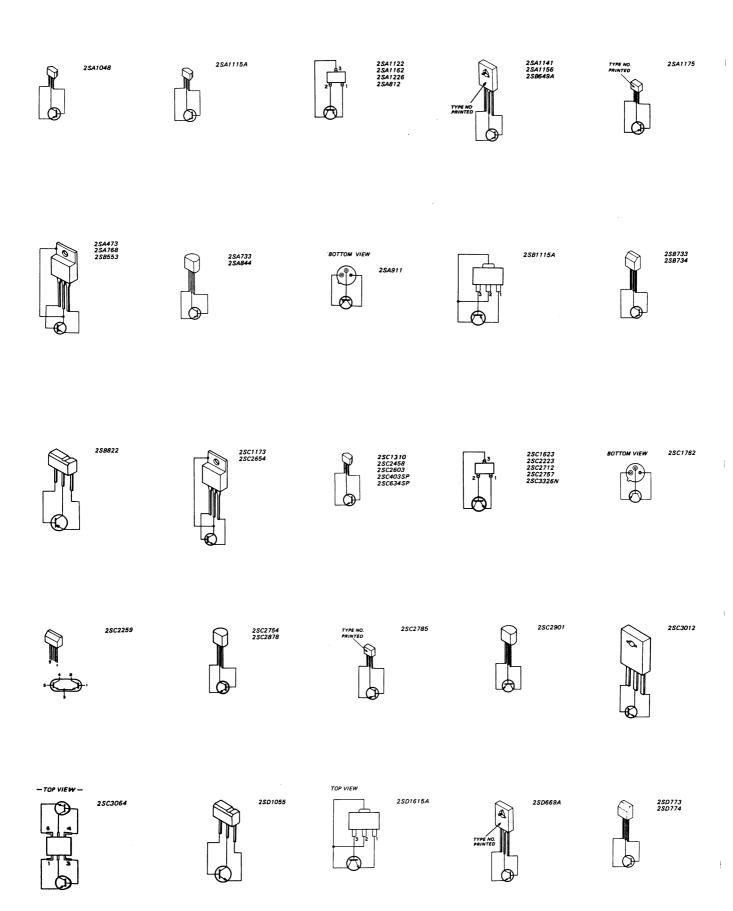








## **FRANSISTOR**, (OTHER)



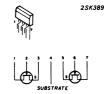
## TRANSISTOR, (OTHER)



2SD999











DTA124ES (R1=22K, R2=22K) DTA124XS (R1=22K, R2=47K)



DTA144EF (R1=47K, R2=47K)



TOP VIEW

DTB123EK (R1=2.2K, R2=2.2K)



DTC124EK (R1=22K, R2=22K) DTC144EK (R1=47K, R2=47K) DTC144WK (R1=47K, R2=22K)



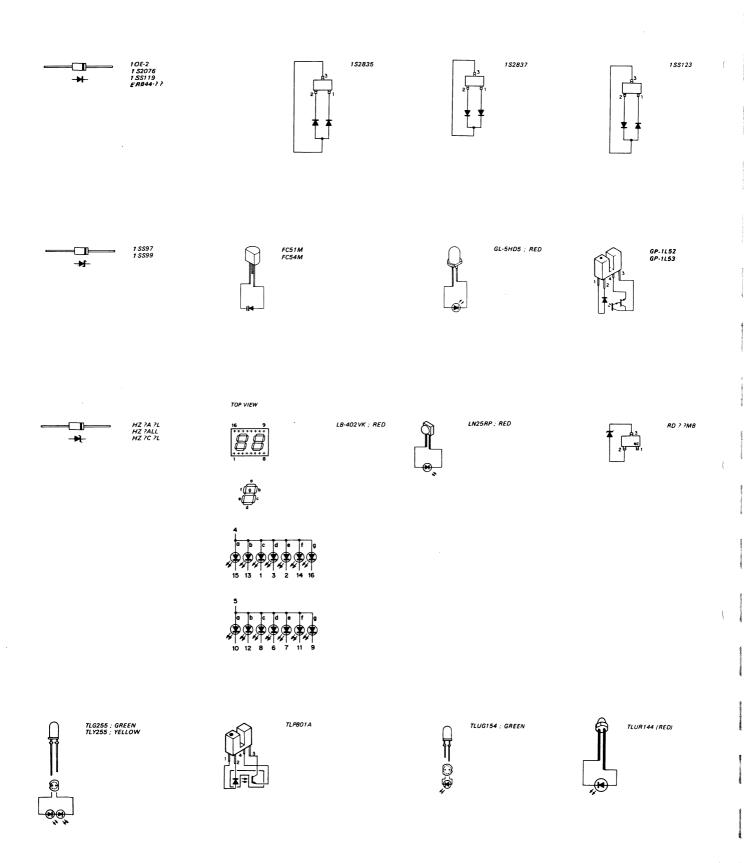
DTC124ES (R1 = 22K, R2 = 22K) DTC124XS (R1 = 22K, R2 = 47K)



DTC144EF (R1=47K, R2=47K)



## DIODE, (OTHER)



The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

# SECTION 19 SPARE PARTS AND FIXTURE

### 19-1. PARTS INFORMATION

- The shaded and A -marked components are critical to safety.

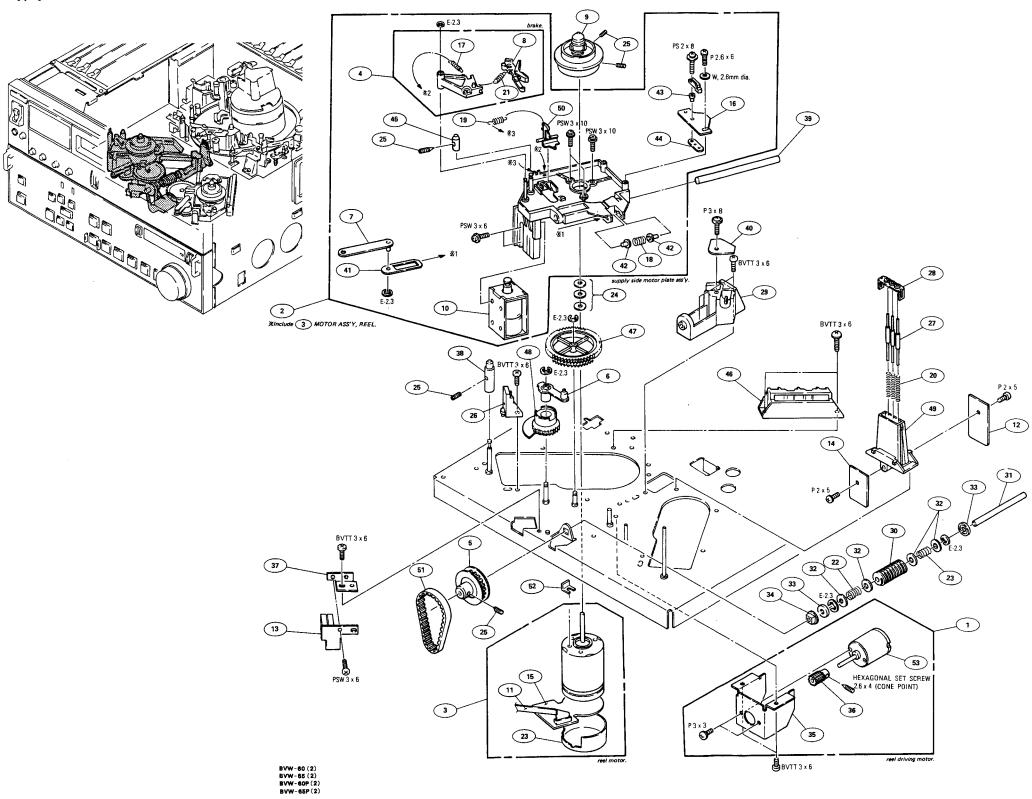
  Replace only with the same components as specified.
- 2. Replacement parts supplied from the Sony Parts Center will sometimes have a different shape and outside view from the parts which are used in the unit. This is due to "accommodating improved parts and/or engineering changed" or "standardization of genuine parts".
  - . This manual's exploded views and electrical spare parts lists indicate the part numbers of "the present standardized genuine parts".
  - Regarding engineering part changes by our engineering department, refer to Sony service bulletins and service manual supplements.
- 3. The parts marked with "s" in the SP column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- 5. (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for the use. (example)

Spring, tension (24T); this spring must be cut at its 24th turn for actual use.

#### 19-2. EXPLODED VIEW

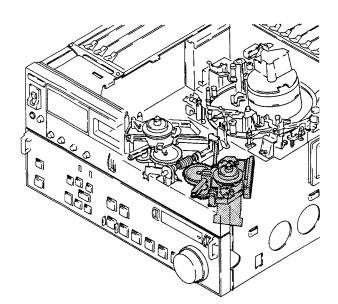
- Exploded views are composed of the following blocks.
- Supply Side Reel Chassis supply reel table supply motor plate reel motor reel drive motor cassette detector
- 2. Take-up Side Reel Chassis take-up reel table take-up motor plate reel motor cassette detector
- 3. Head Drum, Staitionary Heads and Tape Guides Block head drum ass'y CTL head TG-0 ass'y audio/TC head tape guide capstan motor slip ring
- 4. Threading Ring Block threading ring pinch roller tape guide ring sensor
- T Drawer Arm Block
   T drawer arm
   tape beginning sensor
- 6. Supply Tension Regulator Block supply tension regulator
- Pinch Press Mechanism Block pinch press mechanism
- 8. Gear Box Block gear box
- Function control Chassis Block function control chassis sub function control panel search dial hinge

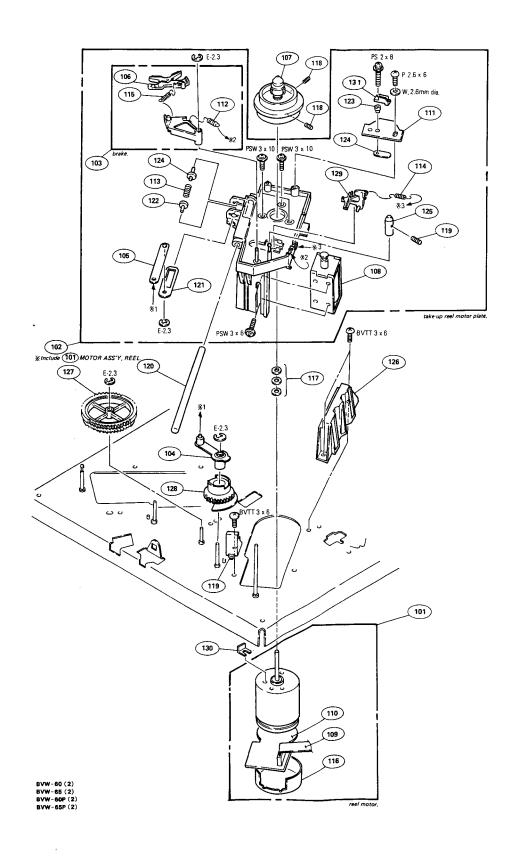
- 10. Level Control Chassis Block level control chassis audio level meter
- 11. Cassette-up Compartment Block cassette-up compartment
- 12. Connector Panel Block connector panel ventilation fun
- 13. Switching Regulator Block switching regulator AC inlet ventilation fun
- 14. Printed Circuit Board Block (1)
  printed circuit board
  PCB guide
  shield plate
- 15. Printed Circuit Board Block (2) printed circuit board
- 16. Ornamental Panel Block
  level control panel
  function control panel
  side panel
  top panel
  bottom panel



No.	Parts No.	SP	Description
1	A-6737-173-A	0	MOTOR ASS'Y, REEL DRIVING
2	A-6737-174-A		
3	A-6737-175-A	-	MOTOR ASS'Y, REEL
4	A-6741-066-A	~	MOTOR ASS'Y, REEL BRAKE ASS'Y
5	Y-3717-201-1	٥	PULLEY (L) ASS'Y, TIMING
6	X-3717-202-1	0	ARM ASS'Y, CRANK
,	A-3/1/-204-1	0	AKM (D) ASS I, CAMIA
8	X-3717-205-1	8	LINING ASS'Y
9	X-3717-207-1	8	LINING ASS'Y TABLE ASS'Y, REEL
10	1-454-417-31	8	SOLENOID, PLUNGER
11	1-559-266-11	0	WIRE, FLEXIBLE CARD PRINTED CIRCUIT BOARD, PTC-20
12	1-622-598-11	0	PRINTED CIRCUIT BOARD, PTC-20
13	1-622-599-11	0	PRINTED CIRCUIT BOARD, PTC-21
14	1-622-601-11	0	PRINTED CIRCUIT BOARD, PTC-36
15	1-622-605-11	0	PRINTED CIRCUIT BOARD, PTC-20 PRINTED CIRCUIT BOARD, PTC-21 PRINTED CIRCUIT BOARD, PTC-36 PRINTED CIRCUIT BOARD, RM-40
16	1-622-606-11	٥	PRINTED CIRCUIT BOARD, DE-15
17	3-307-381-01	8	SPRING, TENSION SPRING, TENSION SPRING, TENSION
18	3-491-247-00	R	SPRING, COMPRESSION
19	3-535-532-01	8	SPRING TENSION (6T)
20	3-554-202-00	0	SPRING TENSION (6T) SPRING, COMPRESSION
	3-648-217-00		SPRING TENSION
22	3-659-324-00	8	SPRING, COMPRESSION
23	3-675-826-00	0	SPRING, COMPRESSION COVER, SHIELD, RM
24	3-701-441-01	8	WASHER, POLY 4MM DIA. U.131
	3-701-441-11		
	3-701-441-21	8	WASHER, POLY 4MM DIA. 0.5T
25	3-701-506-01	8	SET SCREW, DOUBLE POINT 3 x 4
26	3-717-205-01	0	HOLDER (B), SHAFT
27	3-717-206-01	8	LEVER, M/C DETECTION
28	3-717-207-01		COVER, M/C DETECTION HOLDER
29	3-717-208-01	0	HOLDER (A), SHAFT WORM
30	3-717-210-01	8	WORM
30 31	3-717-211-01	ò	SHAFT, WORM
	3-717-212-01	0	WASHER (B), WORM
33	3-717-213-01	0	WASHER (A), WORM
34	3-717-214-01		REARING WORM
35	3-717-219-01	٥	BEARING, WORM BRACKET, MOTOR
36	3-717-220-01	•	PULLEY (S), TIMING
	2_717_22101	•	BRACKET, PTC-21
38	3-717-222-01		CAP (L), CS SHAFT
39	3-717-223-01 3-717-224-01 3-717-230-01 3-717-231-01	8	SHAFT, SLIDE
40	3-717-224-01	s	RETAINER, SHAFT, SLIDE
41	3-717-230-01	0	BRACKET, LIMITER
42	3-717-231-01	ŏ	HOLDER, LIMITER
43	3-717-232-01	0	BRACKET, LIMITER HOLDER, LIMITER SHAFT, FITTING, MR SENSOR
	3-717-233-01		BRACKET, DE-15
		۰	CAP (S), CG SHAFT
45 46	3-717-266-01 3-717-398-01		
40 47	3-717-398-01		
	3-717-400-01		
48			
49	3-717-426-01		HOLDER, M/C DETECTION
50	3-717-450-01		ARM, BRAKE RELEASE
51	3-717-542-01		
52	3-717-625-01		SPACER
53	8-835-179-01	8	MOTOR, DC MCB2B15

Take-up Side Reel Chassis





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Parts No. SP Description
            A-6737-175-A s MOTOR ASS'Y, REEL
           A-6737-175-A B MOTOK ASS 1, REEL
A-6737-176-A S FLATE (T) ASS'Y, MOTOR
A-6741-066-A O BRAKE ASS'Y
X-3717-202-1 O ARM ASS'Y, CRANK
X-3717-204-1 O ARM (B) ASS'Y, CRANK
 103
106 X-3717-205-1 s LINING ASS'Y
107 X-3717-207-1 s TABLE ASS'Y, REEL
108 1-454-417-31 s SOLENOID, PLUNGER
            1-559-266-11 o WIRE, FLEXIBLE CARD
 110 1-622-605-11 o PRINTED CIRCUIT BOARD, RM-40
111 1-622-606-11 o PRINTED CIRCUIT BOARD, DE-15
112 3-307-381-01 s SPRING, TENSION
113 3-491-247-00 s SPRING, COMPRESSION
            3-535-532-01 s SPRING, TENSION
115 3-648-217-00 o SPRING, TENSION
116 3-675-826-01 o COVER, SHIELD, RM
117 3-701-441-01 s WASHER. POLY 4MM DIA. 0.13T
3-701-441-11 s WASHER. POLY 4MM DIA. 0.25T
            3-701-441-21 s WASHER. POLY 4MM DIA. 0.5T
118 3-701-506-01 s SET SCREW, DOUBLE POINT 3 \times 4
119 3-717-205-01 o HOLDER (B), SHAFT
120 3-717-223-01 s SHAFT, SLIDE
121 3-717-230-01 o BRACKET, LIMITER
122 3-717-231-01 o HOLDER, LIMITER
123 3-717-232-01 o SHAFT, FITTING, MR SENSOR
124 3-717-233-01 o BRACKET, DE-15

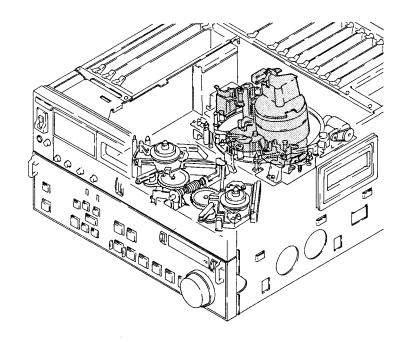
125 3-717-266-01 o CAP (S), CG SHAFT

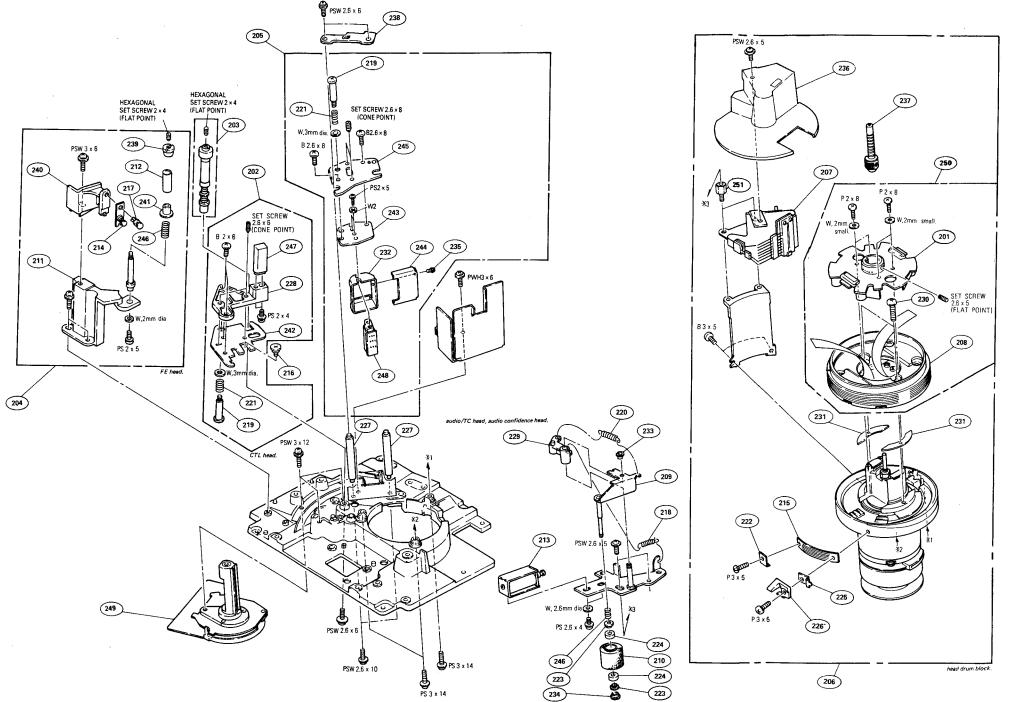
126 3-717-398-01 o TABLE, SLIDE

127 3-717-399-01 s WHEEL, W

128 3-717-400-01 s GEAR, CRANK FLAT
129 3-717-450-01 o ARM, BRAKE RELEASE
130 3-717-625-01 s SPACER
131 1-807-683-11 s RESISTOR ELEMENT
```

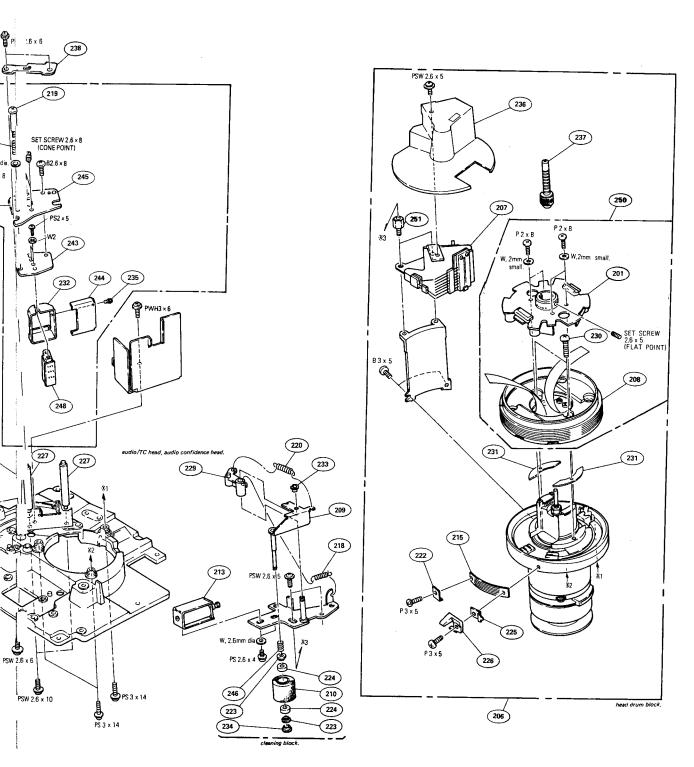
Head Drum, Stationary Heads and Tape Guides Block





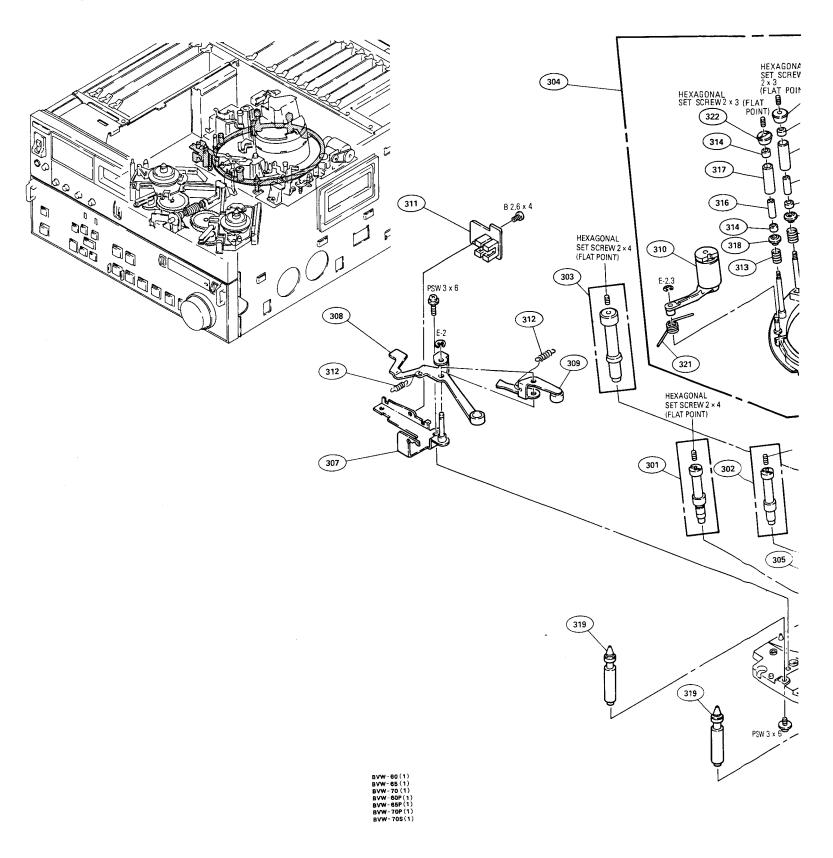
19-8

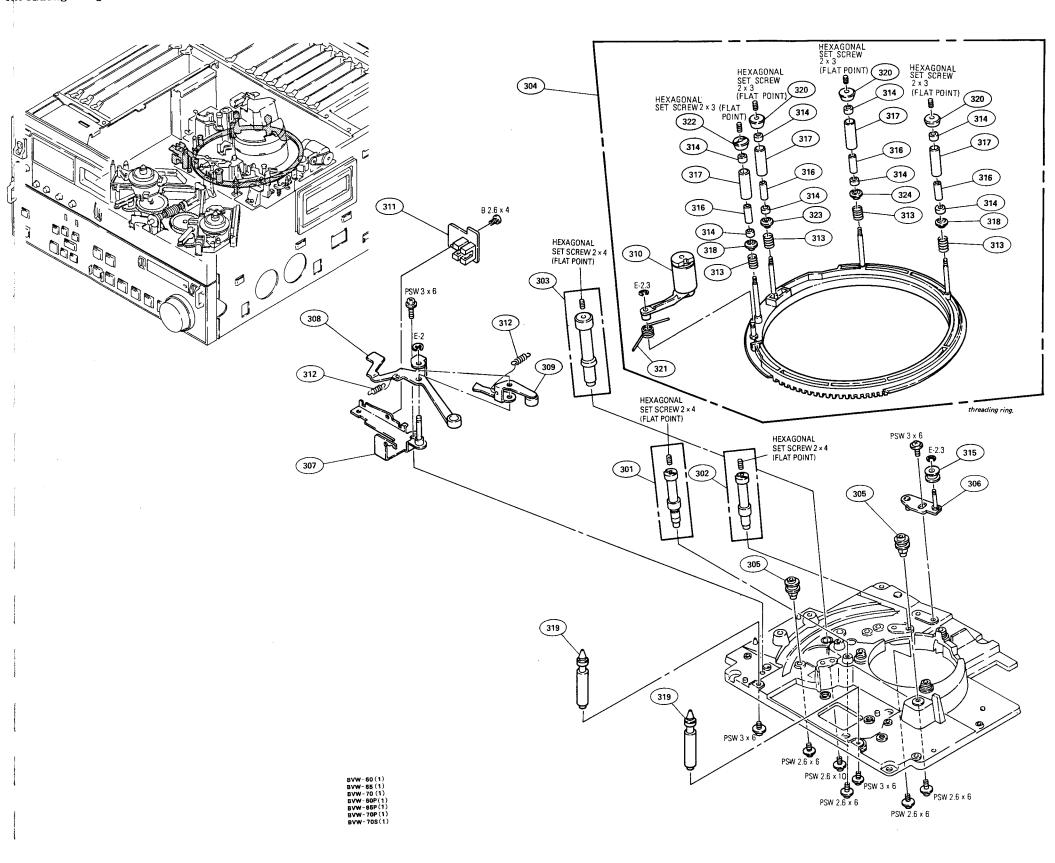
BVW-60 (2) BVW-60P(1)



No.	Parts No.	SP	Description
201	A-6050-631-A	s	PC BOARD (RP) ASS'Y, PA-68AP
202			
203	A-6746-027-A	8	
204	A-6746-053-A	0	TG-0 ASS'Y
205	A-6736-075-A	٥	HEAD ASS'Y, AU
206	A-6050-552-A	8	HEAD DRUM ASS'Y, DBH-06A-R
207	A-6050-646-A	8	BRUSH ASS'Y
208	A-6762-349-A	8	UPPER DRUM ASS'Y, DBR-06-R
209	X-3675-854-1	0	LEVER ASS'Y, C
210	X-3675-858-1	8	ROLLER SUB ASS'Y, C
211	X-3717-292-1		DECK ASS'Y, TG-0
21 2			
213	1-454-372-11		SOLENOID, PLUNGER
214	1-543-316-21	8	HEAD, SENSING (SMALL TYPE)
21 5	1-586-633-00	8	DETECTOR, DEW
216	2-236-956-00		SCREW, STEP
217	2-279-715-01	8	RIVET, NYLON
218	3-140-263-XX		
21 9 220	3-437-173-02 3-542-475-00	-	SCREW, HEAD ADJUSTING
	3-342-47 3-00	8	SPRING, TENSION
221	3-6 53-3 50-00	8	SPRING, COMPRESSION
222	3-655-631-00		
223	3-655-966-00	8	SPACER, STEP
224	3-669-443-00		BEARING, BALL (NO FLANGE)
225	3-675-701-00	0	TERMINAL BOARD
226	3-675-739-00	0	SPACER, INSULATING (2)
227	3-675-804-02	0	BRACKET, ADJUSTMENT PLATE
	3-675-842-00	0	PLATE, ADJUSTMENT, CTL
229	3-680-839-01	0	LEVER (2), C
230	3-683-825-01	8	SCREW (M3 X 8)
231	3-683-828-01	8	SPACER, FLANGE (T=0.01 MM)
	3-683-828-11	8	SPACER, FLANGE (T=0.03 MM)
	3-683-828-21	8	SPACER, FLANGE (T=0.1 MM)
232	3-698-731-01	0	PLATE, SHIELD, FRONT
233	3-703-074-00		CAP 3, SHAFT
234	3-703-075-00	8	CAP 2, SHAFT
235	3-703-502-41		SCREW
236	3-717-131-01	0	
237	A-6050-650-A	8	RING, SLIP
238	3-717-243-03	0	PLATE, ADJUSTMENT, AT HEAD
239	3-717-267-01	8	FLANGE, UPPER
240	3-717-272-01		
241	3-717-293-01	8	HOLDER, S SENSOR FLANGE, LOWER
242	3-717-522-01	0	BASE, CTL HEAD
243	3-717-650-02	0	
244	3-717-651-01	0	CASE (P), SHIELD
245	3-717-652-02	0	DECK (P), HEAD
246	4-879-762-00	8	SPRING, COMPRESSION
247	8-825-554-73	8	HEAD, CTL PS244-21A
2 48	8-825-771-11	8	HEAD AUDIO CONFI. PS244-2103C
249	8-835-259-01	8	MOTOR, DC BHF-1918A
2 50	A-6762-402-A	0	UPPER DRUM ASS'Y, DBR-06A-R
2 51	3-717-106-01		SPACER

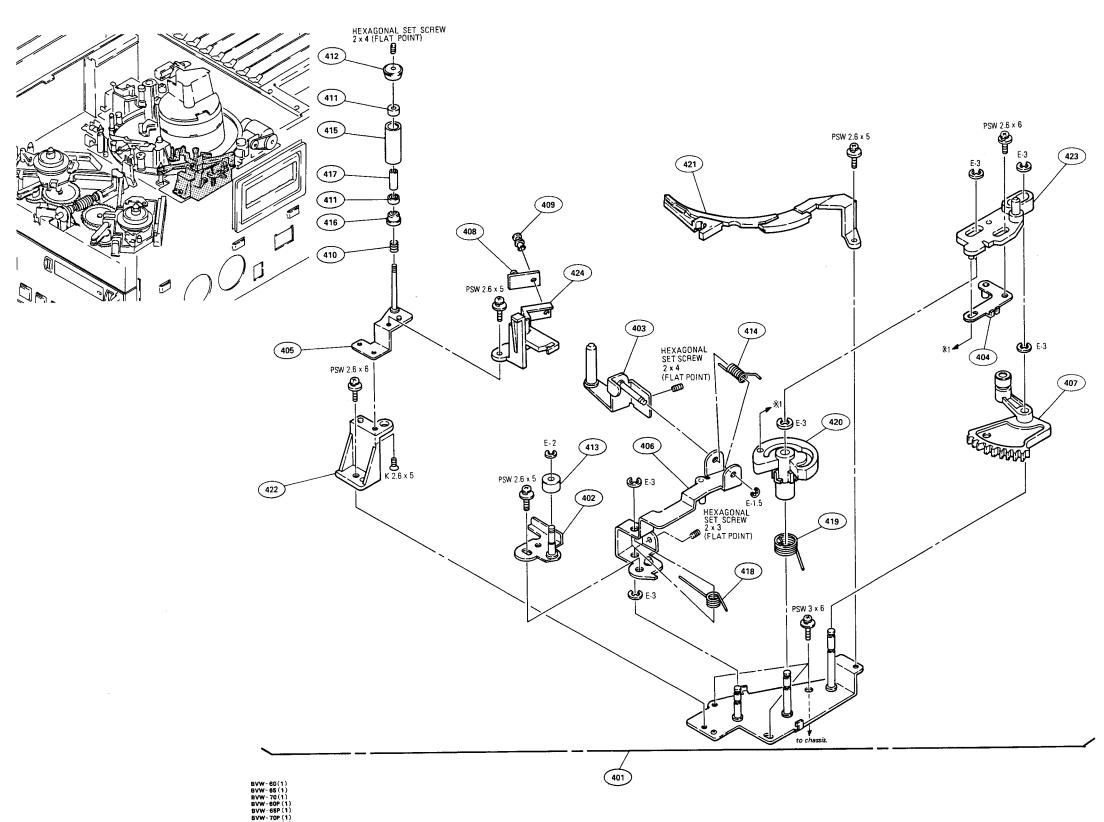
Threading Ring Block





No.	Parts No.	SP	Description
301	A-6746-028-A	s	ROLLER (TG2) ASS'Y, TAPE
			ROLLER (TG3) ASS'Y, TAPE
303	A-6746-030-C	8	ROLLER (TG4) ASS'Y, TAPE
304	A-67 50-21 4-D	0	RING ASS'Y, LOADING
305	X-3675-809-0	0	ROLLER (A) ASS'Y, RING
306	X-3717-208-1	٥	ROLLER (B) SUB ASS'Y, RING
307	X-3717-210-1	0	BRACKET ASS'Y, RING SENSOR
			LEVER ASS'Y, TH END
309	X-3717-212-1	0	LEVER ASS'Y, TH.B END
310	X-3717-215-3	s	ARM ASS'Y, PINCH ROLLER
			PRINTED CIRCUIT BOARD, PTC-15
312	3-533-373-00	s	SPRING, TENSION
313	3-637-331-00	8	SPRING, COMPRESSION (L)
314	3-6 50-31 2-00	8	BEARING, BALL (NO FLANGE)
315	3-67 5-866-00	0	ROLLER, RING
316	3-680-809-00	s	RETAINER, BEARING
317	3-680-810-00	8	ROLLER
318	3-680-812-00	8	FLANGE, LOWER
319	3-717-242-01	o	SHAFT, CG
320	3-717-267-01	s	FLANGE, UPPER
321	3-717-268-01	s	SPRING
			FLANGE, PRECEDING GUIDE
			FLANGE (A), LOWER
	3-717-271-01		FLANGE (B), LOWER

## T Drawer Arm Block



No. Parts No. SP Description

401 A-6746-047-D s DRAWER ASS'Y, T
402 X-3717-221-1 o FLATE ASS'Y, ADJUSTMENT
403 X-3717-222-1 s GUIDE ASS'Y, SLANT
404 X-3717-223-1 o FLATE ASS'Y, ADJUSTMENT, SLANT
405 X-3717-224-1 o BASE ASS'Y, TROLLER

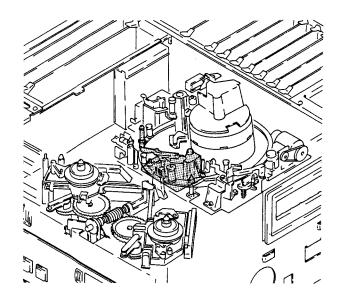
406 X-3717-239-1 o ARM ASS'Y, T
407 X-3717-250-2 o GEAR (1) ASS'Y, T
408 1-543-316-21 s HEAD, SENSING (SMALL TYPE)
409 2-279-715-01 s RIVET, NYLON
410 2-618-901-00 o SPRING

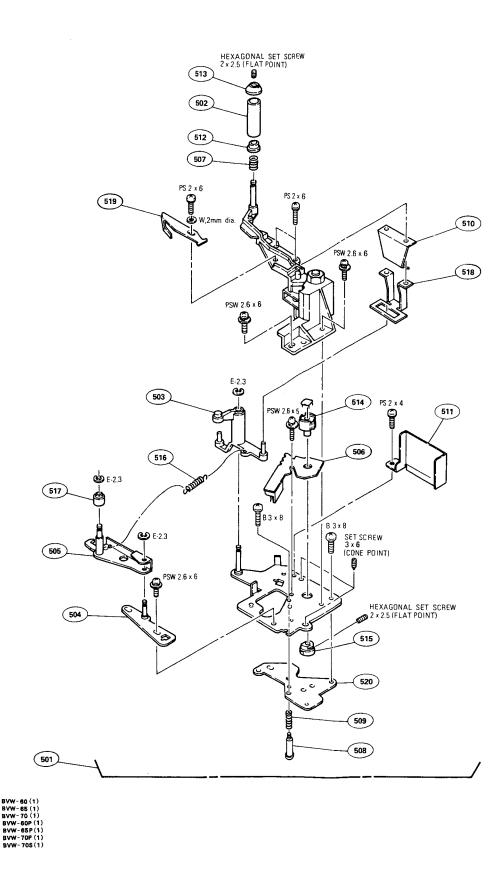
411 3-650-312-00 s BEARING, BALL (NO FLANGE)
412 3-717-283-01 o ROLLER (2)
414 3-717-283-01 o SPRING (SLANT GUIDE)
415 3-717-292-01 s ROLLER, GUIDE

416 3-717-293-01 s FLANGE, LOWER
417 3-717-294-01 o RETAINER, BEARING
419 3-717-294-01 o SPRING
419 3-717-300-01 o SPRING (T GEAR 2)
420 3-717-406-01 o GEAR (2), T

421 3-717-524-01 o BRACKET, T ROLLER ASS'Y
423 3-717-536-01 o SIDER
424 3-717-536-01 o SIDER
424 3-717-536-01 o SIDER
424 3-717-537-01 o HOLDER, SENSOR

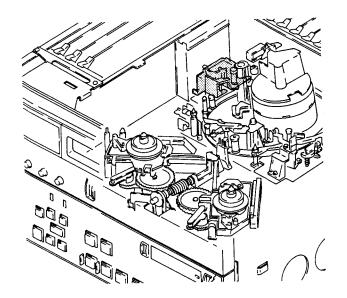
Supply Tension Regulator Block

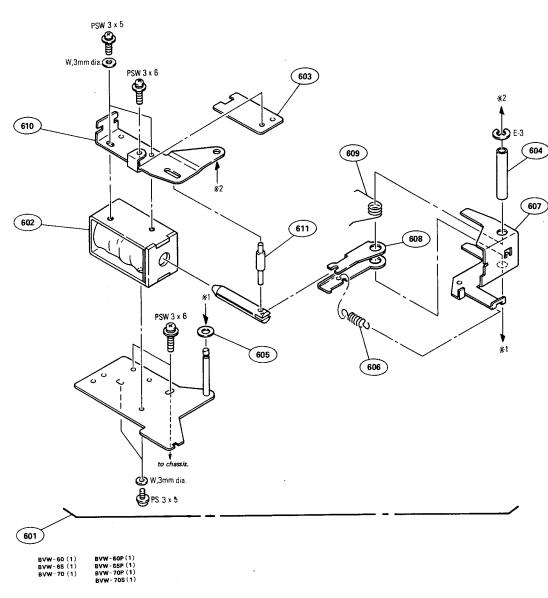




No.	Parts No.	SP	Description
501	A-6742-061-A	8	ARM ASS'Y, S TENSION
502	X-3675-851-0	8	ROLLER ASS'Y, TR
503	X-3717-218-1	0	ARM ASS'Y, RETURN
504	X-3717-219-1	٥	HOOK ASS'Y, TENSION REGULATOR
505	X-3717-220-1	0	ARM ASS'Y, TENSION REGULATOR
506	1-611-279-13	0	PRINTED CIRCUIT BOARD, TR-18
507	2-618-901-00	0	SPRING
508	3-437-173-02	0	SCREW, HEAD ADJUSTING
509	3-653-350-00	8	SPRING, COMPRESSION
510	3-675-872-00	0	SPRING, LEAF
511	3-675-885-02	٥	PLATE, SHIELD, T-DME
512	3-677-749-03	8	RETAINER, B
513	3-677-752-00	8	NUT, ADJUSTMENT, T
514	3-680-830-01	8	HOLDER, DME
515	3-680-831-00	0	COLLAR, DME
516	3-680-860-01	8	SPRING, TENSION (POWER TENSION)
517	3-717-253-01	8	ROLLER
	3-717-276-01		
			PLATE, ADJUSTMENT, RETURN
	3-717-278-01		

Pinch Press Mechanism Block

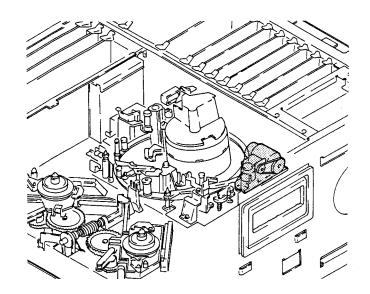




601 A-6749-117-C o PRESS ASS'Y, PINCH
602 1-454-338-00 s SOLEMOID, PLUGER
603 1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35
604 3-653-382-01 o SPACER (4 x 25)
605 3-701-441-21 s WASHER POLY, 4MM DIA. 0.5T

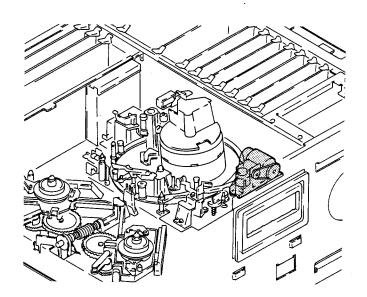
606 3-537-674-03 s SPRING, TENSION
607 3-717-246-01 o LEVER, PRESS, P
608 3-717-247-01 o LIMITER, P
609 3-717-248-01 o SPRING
610 3-717-249-01 o STOPPER, P
611 3-717-250-02 o SHAFT, JOINT, P

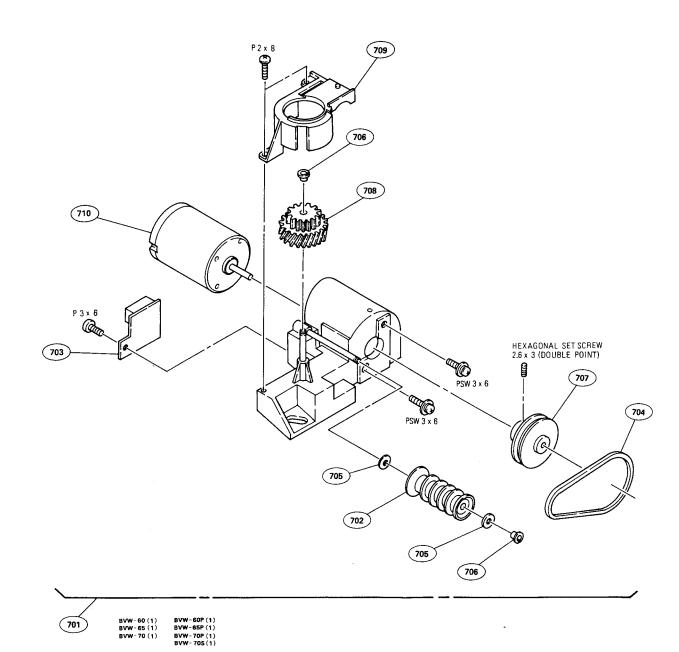
Gear Box Block



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Gear Box Block





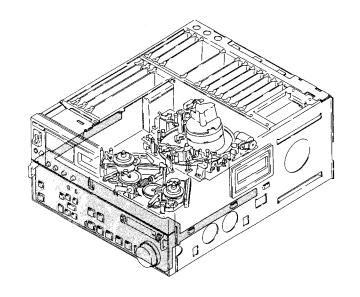
No. Parts No. SP Description

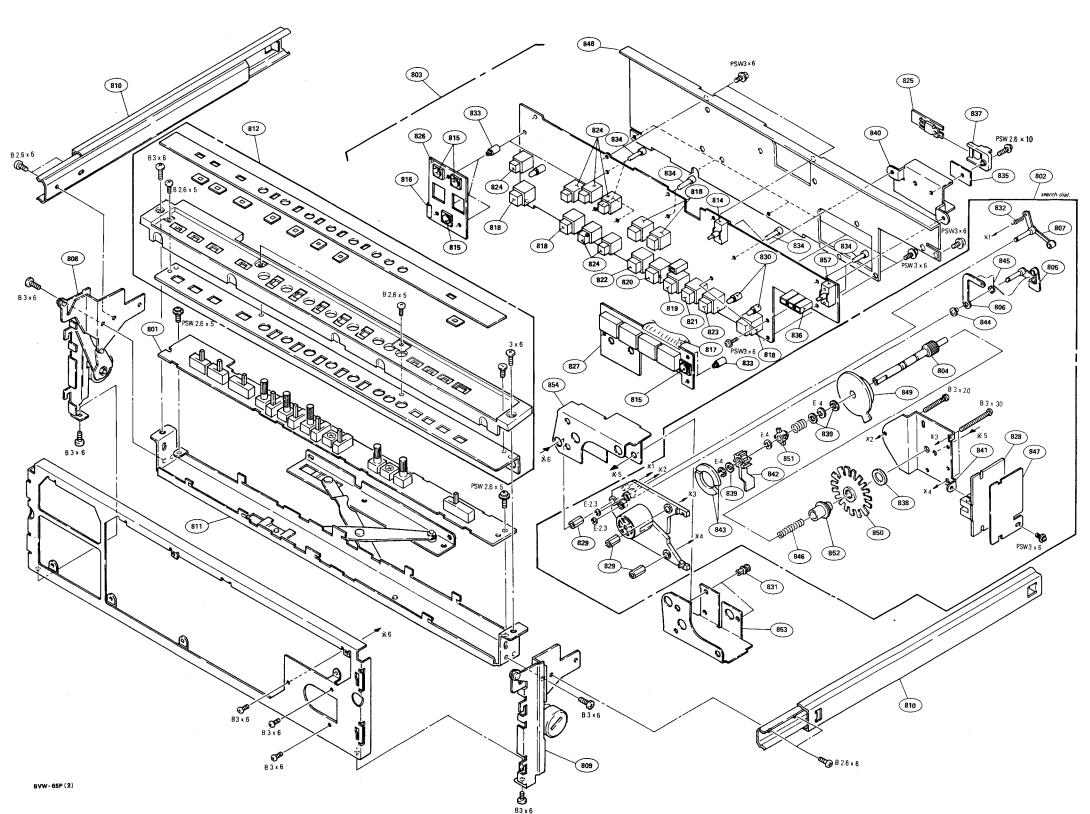
701 A-6750-213-D s BOX ASS'Y, GEAR
702 X-3717-214-2 s WORM ASS'Y
703 1-622-607-11 o PRINTED CIRCUIT BOARD, PTC-31
704 3-688-066-01 s BELT, LM
705 3-701-439-21 s WASHER POLY 3MM DIA. 0.5T

706 3-703-074-00 s CAP 3, SHAFT
707 3-717-261-02 o PULLEY, MOTOR
708 3-717-262-02 s GEAR, DRIVE
709 3-717-550-01 o COVER, GEAR BOX
710 8-835-179-01 s MOTOR, DC MCB2B15

19-18

Function Control Chassis Block





A-6717-486-A o MOUNTED CIRCUIT BOARD, CP-103AP

A-6734-238-C o DIAL BLOCK ASS'Y, SEARCH
A-6734-243-A o CHASSIS ASS'Y, KEY
X-3717-226-1 o SHAFT SUB ASS'Y, MAIN

X-3717-227-1 o ARM (RIGHT) ASS'Y, S10

X-3717-228-1 o ARM (LEFT) ASS'Y, S10 X-3717-229-1 o ARM ASS'Y, RETURN X-3717-251-0 o SLIDER (LELT) ASS'Y X-3717-252-1 o SLIDER (RIGHT) ASS'Y

X-3717-254-1 o CHASSIS SUB ASS'Y, SUB X-3717-302-1 o SUB PANEL ASS'Y 1-516-994-00 s SWITCH, LEVER SLIDE 1-516-995-00 s SWITCH, LEVER SLIDE

K-3717-253-1 o RAIL ASS'Y, SLIDE

1-552-539-00 s SWITCH, KEY BOARD

1-535-698-11 o WIRE, JUMPER 1-535-699-11 o WIRE, JUMPER

1-571-167-11 s SWITCH, TACTIL

1-571-167-21 s SWITCH, TACTIL 1-571-167-31 s SWITCH, TACTIL

1-571-167-41 s SWITCH, TACTIL 1-571-169-11 s SWITCH, TACTIL 1-571-169-21 s SWITCH, TACTIL 1-571-280-11 s SWITCH, TACTIL

3-305-651-11 s RETAINER, LED

3-531-576-01 s RIVET, NYLON 3-639-371-00 s SPRING, TENSION 3-659-487-00 s HOLDER, BUZER

3-662-048-00 s WASHER, BRACKET

3-717-319-01 o SPRING, TORSION 3-717-320-01 o SPRING, COMPRESSION

3-717-321-01 o PROTECTOR, PTC 3-717-416-01 o PROTECTOR, KY 3-717-417-01 o CAM

3-717-546-02 o GUIDE, LOCK OUT

3-717-418-01 o PLATE

3-668-124-00 o HOLDER, LED

3-717-309-01 o BRACKET, PT 3-717-315-01 o PLATE, BOTTOM, SD 3-717-316-03 o GUIDE, LOCK IN 3-717-317-01 o PLATE, CLUTCH 3-717-318-01 o BEARING, S10

3-669-904-00 o HOLDER, PT

3-659-488-00 s PIN, BUZER HOLDER

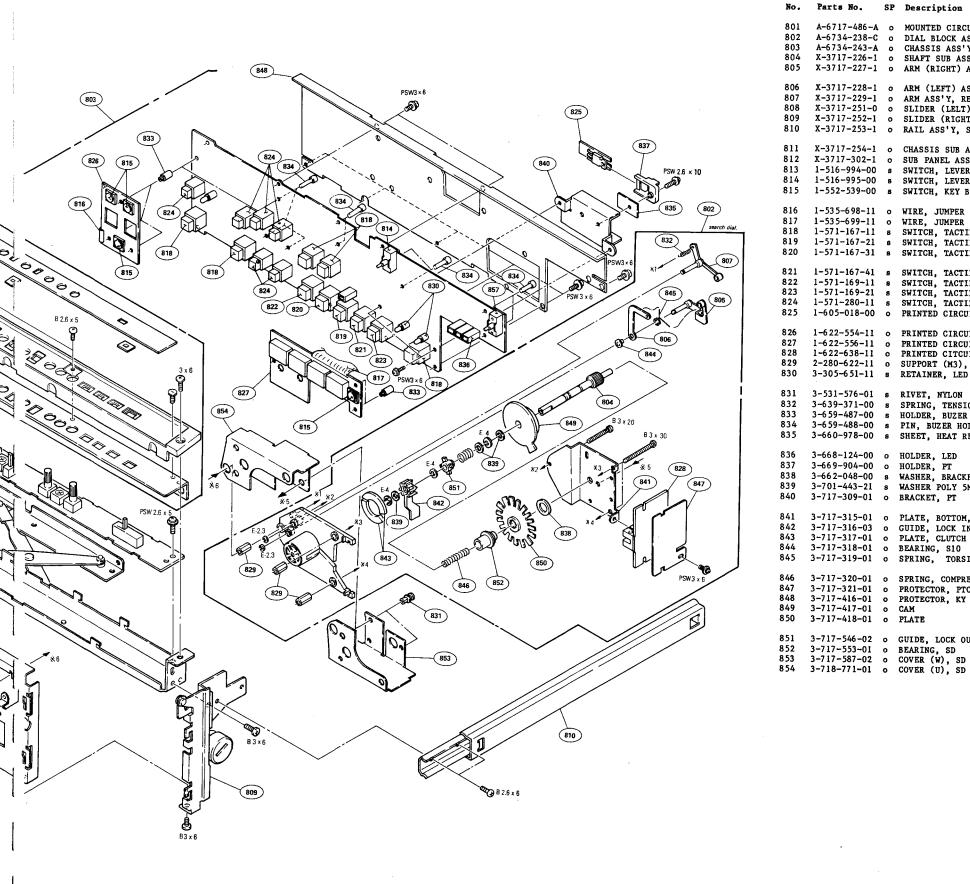
3-660-978-00 s SHEET, HEAT RESISTING

3-701-443-21 s WASHER POLY 5MM DIA. 0.5T

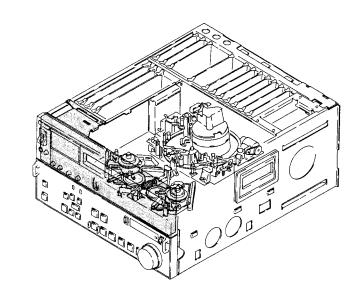
1-605-018-00 o PRINTED CIRCUIT BOARD, PT-9

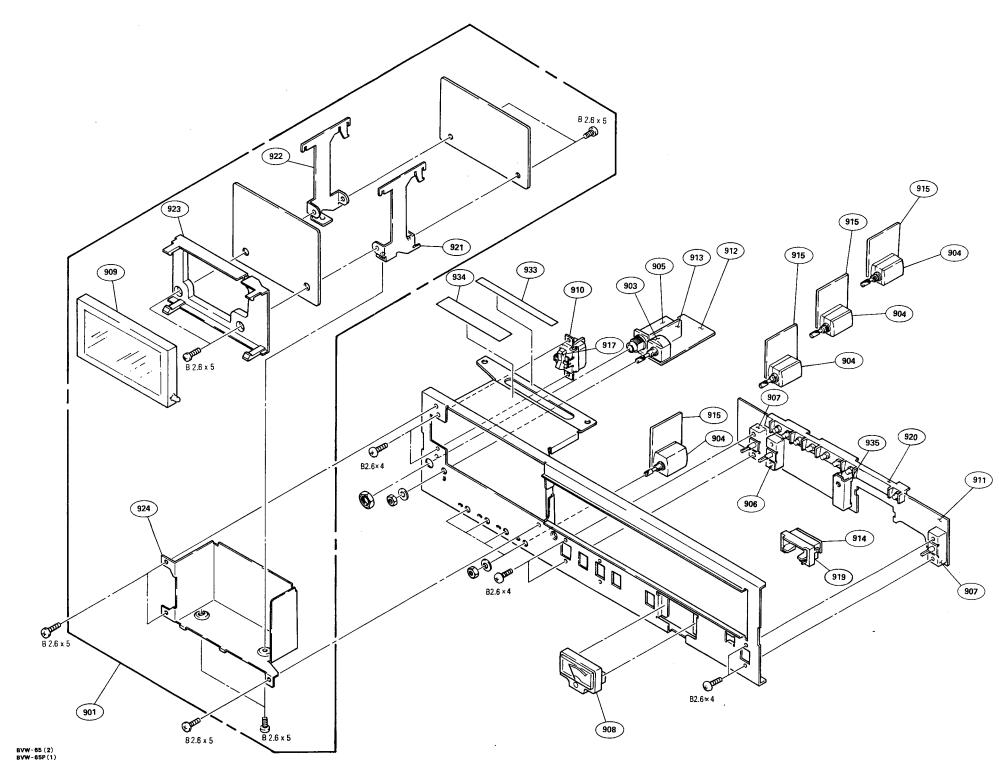
1-622-554-11 o PRINTED CIRCUIT BOARD KY-107

1-622-556-11 o PRINTED CIRCUIT BOARD, DP-71 1-622-638-11 o PRINTED CITCUIT BOARD, PTC-32 2-280-622-11 o SUPPORT (M3), HEXAGON

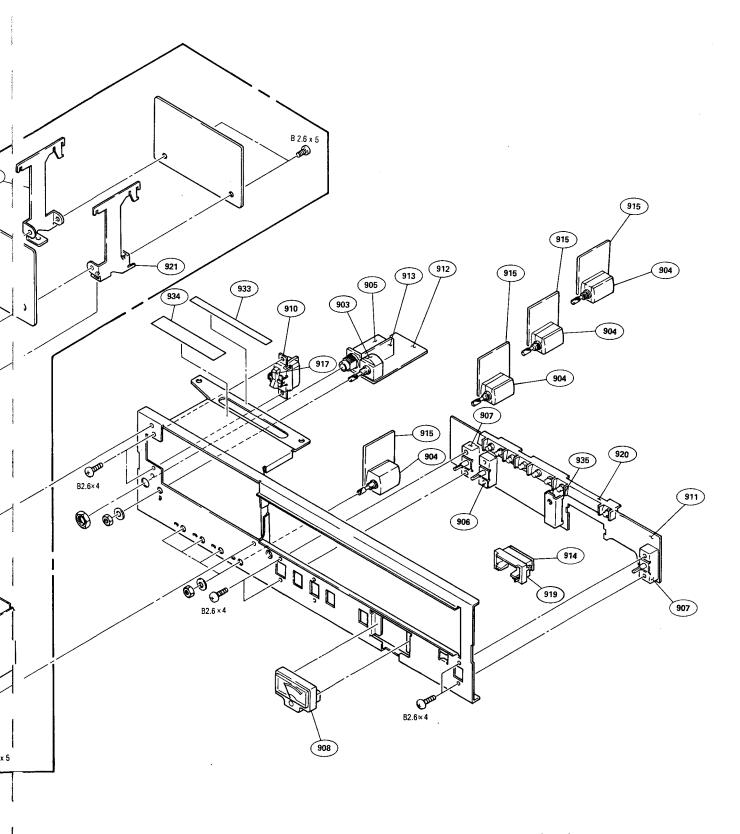


Level Control Chassis Block

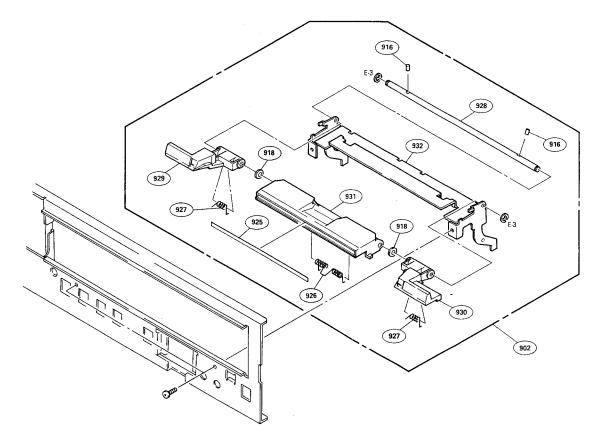




TROL



No.	Parts No.	SP	Description	No.	Parts No.	SP	Description
901	A-6730-924-A	0	TUBE ASS'Y, INDICATION	921	3-717-531-01	0	BRACKET (RIGHT), DP
902	A-6751-377-A	0	GUIDE ASS'Y, SC	922	3-717-532-01	0	BRACKET (LEFT), DP
903	1-230-501-11	8	RES, VAR, CARBON 20K/20K	923	3-717-538-03	0	HOLDER, VFD
904	1-237-781-11	8	VAR, CARBON (WITH SW) 10K	924	3-717-539-01	0	CASE, INDICATION TUBE
905	1-507-863-31	8	JACK, LARGE TYPE	925	3-717-614-01	0	LABEL, C-LOCK OUT
906	1-516-994-00	8	SWITCH, LEVER SLIDE	926	3-717-615-01		SPRING, C-LOCK OUT
907	1-516-995-00	8	SWITCH, LEVER SLIDE	927	3-717-616-01	0	SPRING, SC GUIDE
908	1-520-494-21	8	METER, LEVEL (RF)	928	3-717 <b>-</b> 617 <b>-</b> 01	0	SHAFT, SC GUIDE
909	1-520-496-11	8	LEVEL METER, AUDIO	929	3-717-618-01	0	GUIDE L, SC
		1		930	3-717 <b>-</b> 619-01	0	GUIDE R, SC
<b>№</b> 910	1-570-117-11	8	SWITCH, LOCKER (AC POWER)				
		Ė		931	3-717-620-01		PLATE, C-LOCK OUT
				932	3-717-621-01	0	BRACKET, SC GUIDE
911	1-622-573-13	0	PRINTED CIRCUIT BOARD, SW-144	933	3-717-647-01	0	LABEL (M), PC BOARD
912	1-622-589-11	0	PRINTED CIRCUIT BOARD, VR-62		(for S/N up t	to 1	0769)
913	1-622-590-13	0	PRINTED CIRCUIT BOARD, HP-33		3-727-093-01	0	LABEL (M), PC BOARD
914	1-622-591-11	0	PRINTED CIRCUIT BOARD, DP-72		(for S/N 1077	70 a	nd higher)
915	1-622-592-11	0	PRINTED CIRCUIT BOARD, VR-42				
			·	934	3-717-649-01	0	LABEL (BF), PC BOARD
916	3-677-193-01	0	PIN, STOPPER	935	3-717-672-01	0	STOPPER, KY
917	3-688-814-01	8	CAP, SWITCH				•
918	3-701-441-21	8	WASHER POLY 4MM DIA. 0.5T				
919	3-717-323-01	0	COVER, METER LED				
920	3-717-474-02	0	HOLDER, LED				



BVW-65(1) BVW-65P(1)

1001 A-6 1003 A-6 1004 X-3 1005 X-3 1006 X-3

1007 X-3 1008 X-3 1009 X-3 1010 X-3 1011 1-5

1012 1-5 1013 1-5 1014 1-6 1015 1-6 1016 1-6

1017 1-6 1018 1-6 1019 3-3 1020 3-4 1021 3-4

1022 3-4 1023 3-5 1024 3-1 1025 3-5 1026 3-5

1027 3-6 1028 3-6 1029 3-6 1030 3-7 1031 3-7

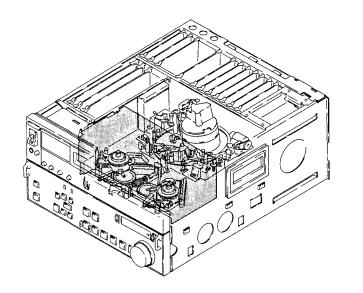
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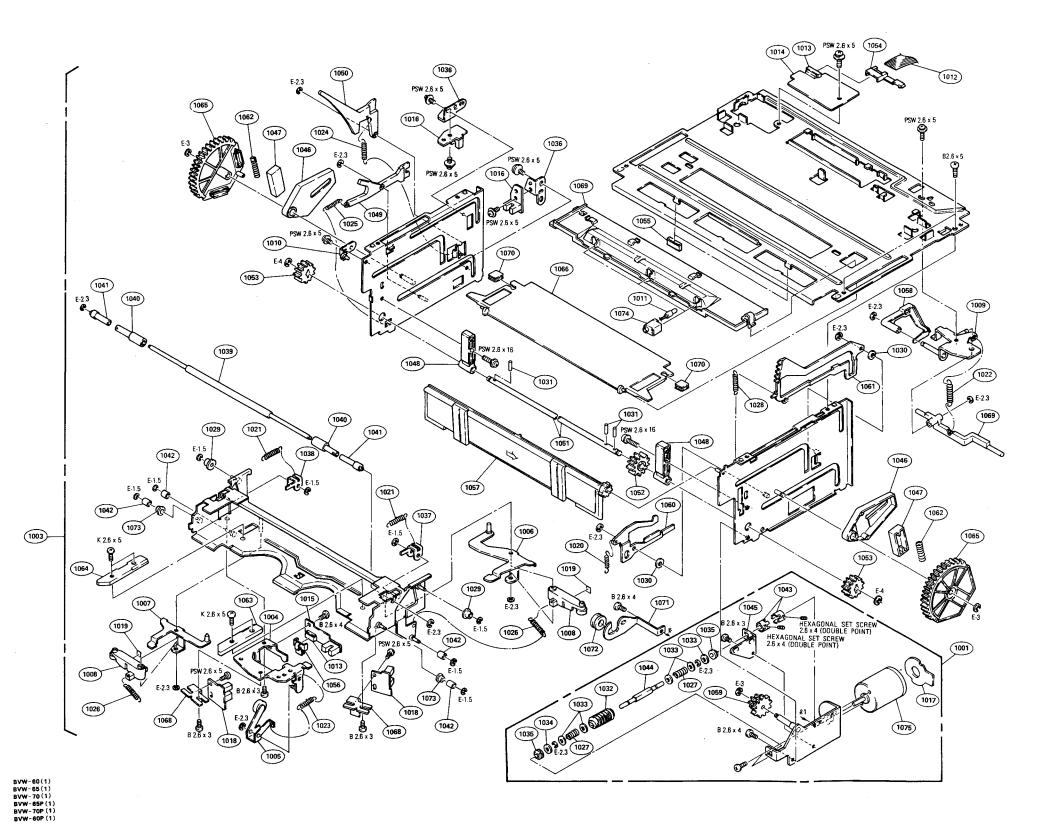
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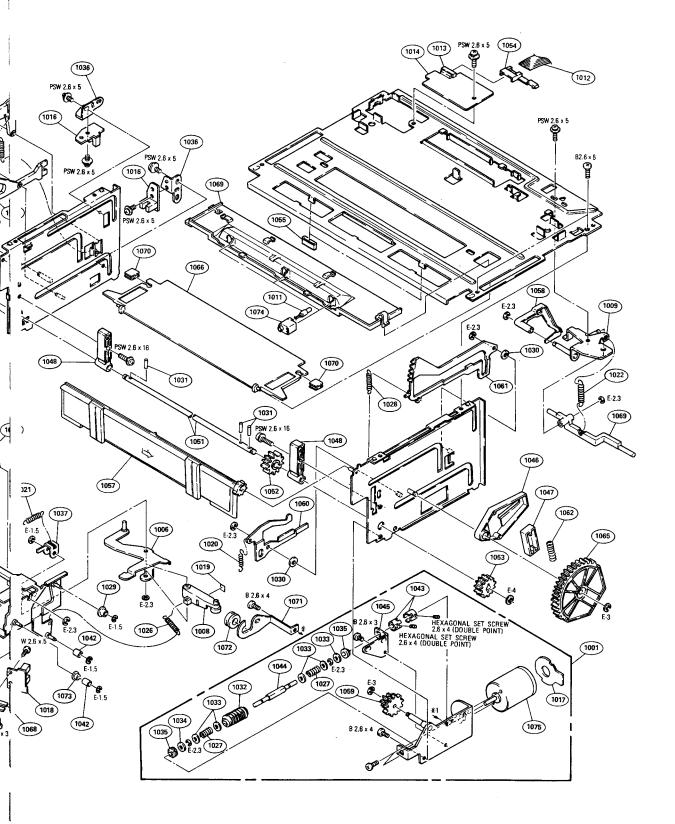
1042 3-7 1043 3-7 1044 3-7 1045 3-7 1046 3-7

Cassette-up Compartment

S/N No. up to 10191





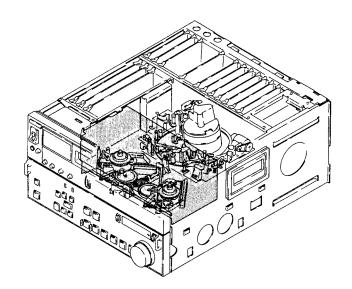


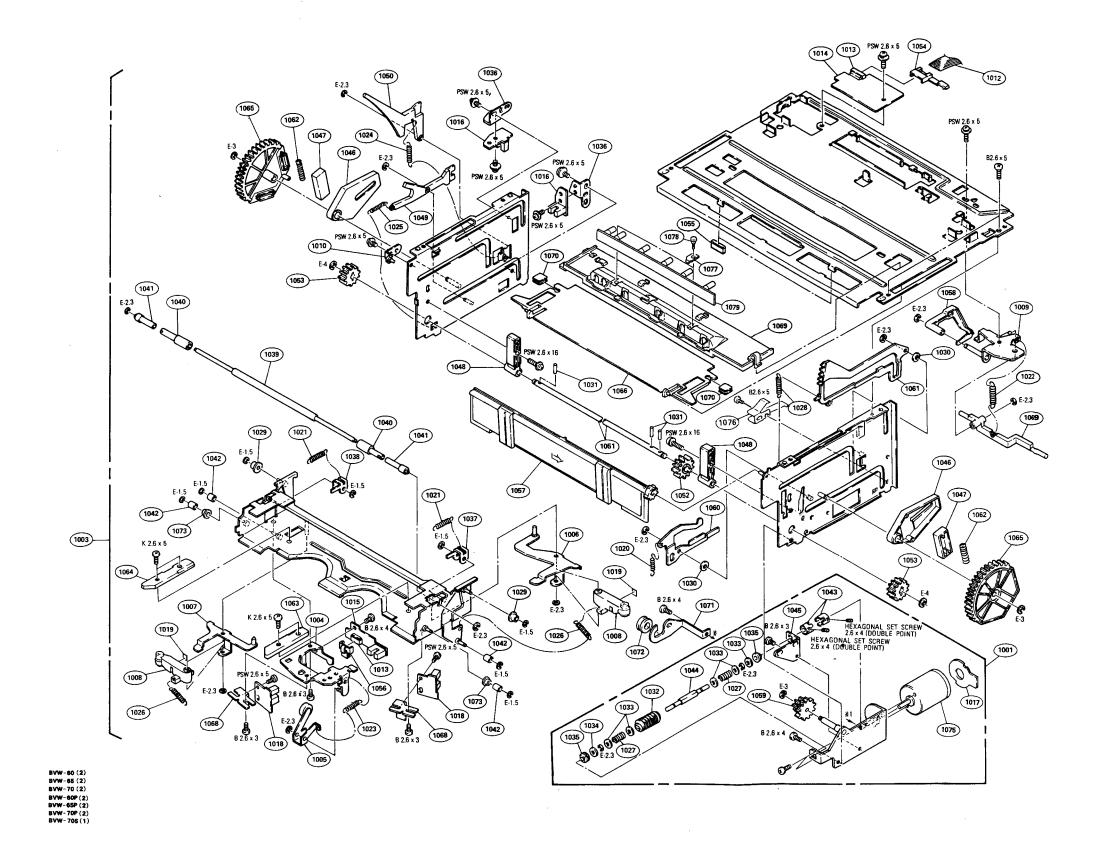
No.	Parts No.	SP	Description
1001		. 8	MOTOR BLOCK ASS'Y
1003	A-6751-360-D		CASSETTE COMPARTMENT ASS'Y
1004	X-3717-230-1	0	DECK ASS'Y, ARM
1005	X-3717-231-1	0	ARM ASS'Y, LS
1006	X-3717-232-1	~	ARM (RIGHT) ASS'Y, CASSETTE IN
	- 5/1/ 151 1	0	ARM (RIGHT) ASS'Y, CASSETTE IN
1007		o	ARM (LEFT) ASS'Y, CASSETTE IN
1008	X-3717-234-1	0	ARM ASS'Y, PUSH OUT
1009	X-3717-235-1	0	CHASSIS ASS'Y, LID OPEN LEVER
1010	X-3717-236-1	0	BRACKET ASS'Y, DOOR
1011	1-518-508-00	8	
1010	1 550 000 40		•
1012	1-559-265-11		
1013	1-563-969-11		CONNECTOR, F.P.C, 7P
1014	1-622-602-11	0	PRINTED CIRCUIT ROARD CI-IA
1015	1-622-603-11	0	PRINTED CIRCUIT BOARD, PC-32
1016	1-622-603-11 1-622-604-11	0	PRINTED CIRCUIT BOARD, PC-33
1017	1 (42 100 11		•
1017	1-623-198-11	0	PRINTED CIRCUIT BOARD, CCM-2 PRINTED CIRCUIT BOARD, PC-41
1010	1-623-26/-11	0	PRINTED CIRCUIT BOARD, PC-41
1017	J~J∠y~40U~()]	^	SPACER
1020	3-437-284-00	8	SPRING, TENSION
1021	3-437-284-00 3-489-325-01	8	
1022	3-491-360-00	s	CDD TNG MENG TON
	3-509-127-00		SPRING, TENSION
		8	
	3-140-263-XX	8	, , , , , , , , , , , , , , , , , , , ,
1025			
1026	3-578-389-00	8	SPRING, TENSION
1027	3-659-324-00	8	SPRING, COMPRESSION
1028	3-668-508-00	8	
1029	3-677-187-00	-	DOLLED CHIEF
1030	3-701-439-21	8	
	3-703-358-03		JILL DIM: U.JI
1031	3-703-336-03	0	PIN, PARALLEL (DIA.2 x 8)
1032		8	WORM
1033	3-717-212-01	0	WASHER (B), WORM
1034	3-717-213-01		WASHER (A), WORM
1035	3-717-214-01	ñ	BEARING, WORM
1036	3-717-339-01	0	
100=			
1037		0	ARM (RIGHT), CASSETTE PRESS
1038	3-717-347-01	0	ARM (LEFT), CASSETTE PRESS
1039	3-717-348-01	0	
1040	3-717-349-01	0	ROLLER (S), PRESS
1041		0	ROLLER (L), PRESS
10/6			, ;
1042	3-717-351-01	0	ROLLER (B), GUIDE
	3-717-352-01	0	JOINT, MOTOR
	3-717-353-01	0	SHAFT, WORM
1045	3-717-354-01	0	BRACKET, WORM
1046	3-717-355-01	0	ARM, DRIVING

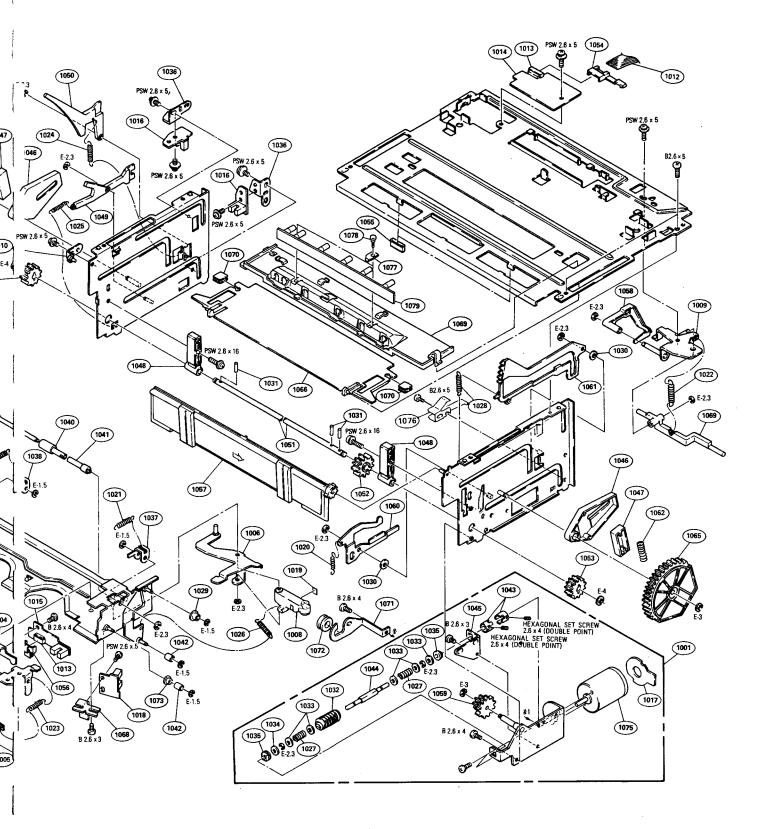
No.	Parts	No.	SP	Description
1047	3-717-	-356-01	0	SLIDER, ARM DRIVING
1048	3-717-	-359-01	۰	
1049	3-717-	-361-02	٥	
	3-717-		0	
1051	3-717-	-36301	0	SHAFT, JOINT
1052	3-717-	-364-01	8	GEAR, JOINT
1053	3-717-	-365-01	8	
1054	3-717-	-368-01	0	
1055	3-717-	369-03	0	STOPPER, DOOR
1056	3-717-	421-02	0	book
1057	3-717-	435-04	0	DOOR, CASSETTE
1058	3-717-	453-01	8	LEVER, LID OPEN
1059	3-717-	454-01	0	WHEEL, WORM
1060	3-717-	455-04	0	
1061	3-717-	457-01	0	ARM, DOOR SWITCHING
1062	3-717-	458-01	8	SPRING, COMPRESSION
1063		460-03	0	GUIDE (RIGHT), CASSETTE
1064		461-03	0	GUIDE (LEFT), CASSETTE
1065		475-01	8	GEAR, DRIVING
1066	X-3717	-365-1	0	REFLECTOR ASS'Y
1067	3-717-	584-01	8	LEVER (B), LID OPEN
1068	3-717-	585~01	0	BRACKET (B), PHOT
1069	3-717-5	586-01	0	HOLDER (MAIN), LAMP
	3-717-5		0	RUBBER, VIBRATION PROOF
1071	3-717-	597-01	0	JOINT, PLATE
	3-717-5		o	JOINT, BEARWG
	3-717-5		8	ROLLER (C), GUIDE
	4-852-9		8	HOLDER, LAMP
1075	1-541-3	376-11	8	MOTOR, DC (DNR-4700A)

Cassette-up Compartment

S/N 10192 and higher

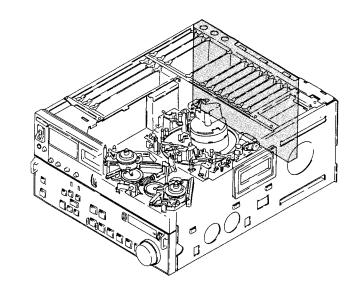


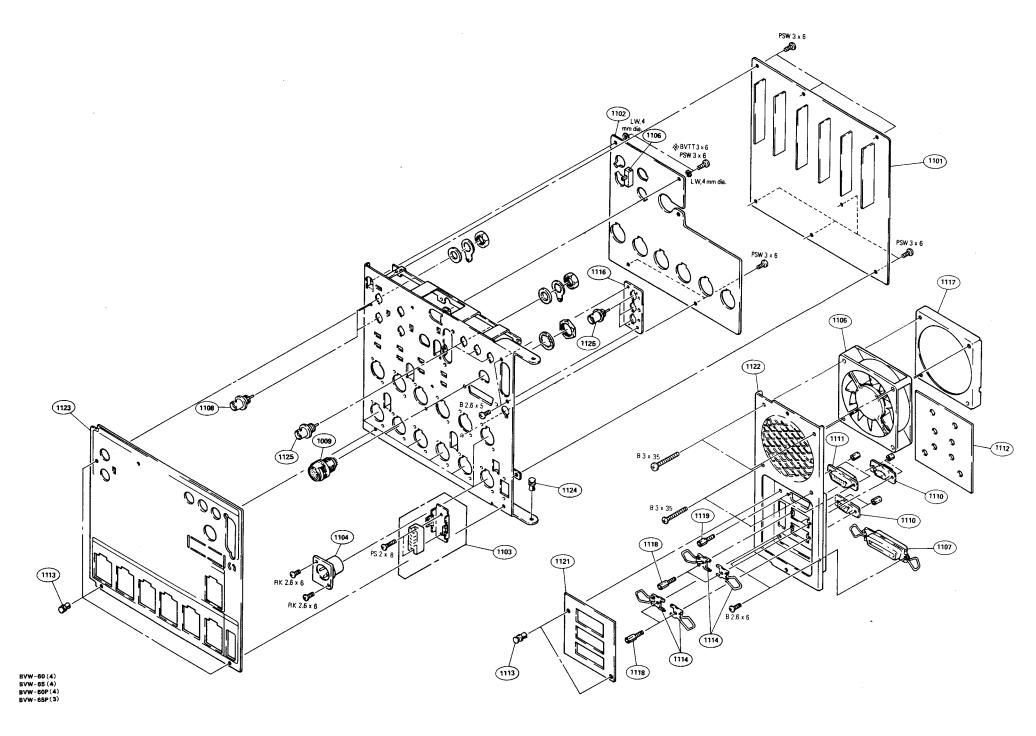




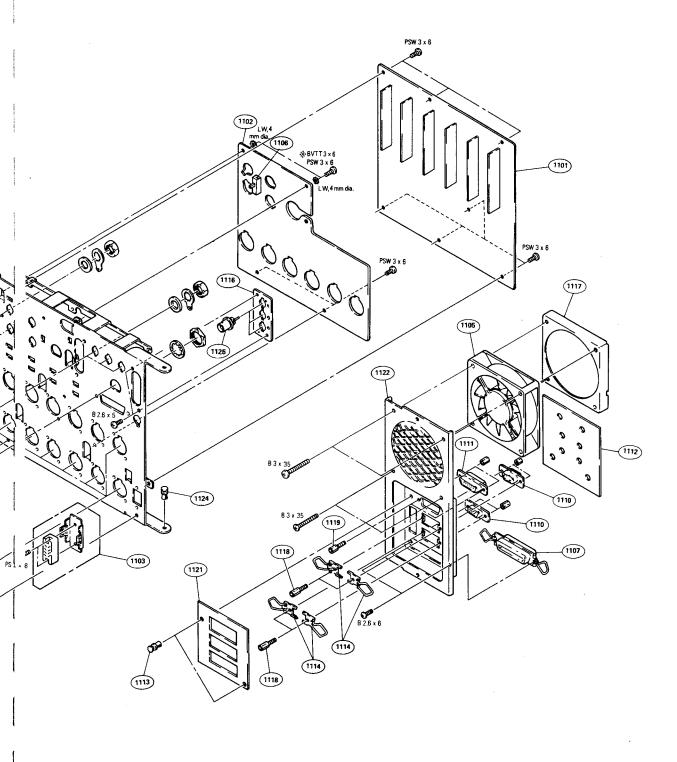
No.	Parts No.	SP	Description
1001	A-6737-178-A	8	MOTOR BLOCK ASS'Y
			CASSETTE COMPARTMENT ASS'Y
1004	X-3717-360-1	0	DECK ASS'Y, ARM
1005	X-3717-231-1	0	ARM ASS'Y, LS
1006	X-3717-359-1	0	ARM (RIGHT) ASS'Y, CASSETTE IN
1007	X-3717-362-1	٥	ARM (LEFT) ASS'Y, CASSETTE IN
1008	X-3717-361-1		ARM ASS'Y, PUSH OUT
	X-3717-235-1		CHASSIS ASS'Y, LID OPEN LEVER
1010		ō	BRACKET ASS'Y, DOOR
	1-559-265-11		WIRE, FLEXIBLE CARD
1013	1-563-969-11	٥	CONNECTOR E D C 7D
1014	1-622-602-11 1-628-786-11	0	PRINTED CIRCUIT BOARD, CL-14
	1-622-604-11		
	1-623-198-11		
1017	1-023-190-11	0	PRINTED CIRCUIT BOARD, CCM-2
1018	1-623-267-11		PRINTED CIRCUIT BOARD, PC-41
1019			
1020	3-437-284-00	8	SPRING, TENSION
1021			
1022	3-491-360-00	S	SPRING, TENSION
1023	3-509-127-00	8	SPRING, TENSION SPRING, TENSION (23T) SPRING, TENSION SPRING, TENSION
1024	3-140-263-XX	8	SPRING, TENSION (23T)
1025	3-531-863-01	8	SPRING, TENSION
1026	3-578-389-00	8	SPRING, TENSION
1027	3-659-324-00	8	SPRING, COMPRESSION
1028	3-668-508-00	8	SPRING, TENSION
1029		-	
1030		8	
			PIN, PARALLEL (DIA.2 x 8)
	3-717-210-01	8	WORM
1033	2_717_212_01	_	MAGNER (B) NORW
		0	
1034			WASHER (A), WORM
	3-717-214-01		BEARING, WORM
	3-717-339-01	0	BRACKET, PHOTO
1037	3-717-346-01	٥	ARM (RIGHT), CASSETTE PRESS
1038		0	ARM (LEFT), CASSETTE PRESS
	3-717-348-01	0	SHAFT, PRESS ROLLER
1040	3-717-349-01	0	ROLLER (S), PRESS
1041		0	ROLLER (L), PRESS
1042	3-717-351-01	0	ROLLER (B), GUIDE
1043	3-717-352-01	0	JOINT, MOTOR
1044	3-717-353-01	0	
1045	3-717-354-01	ō	
1046	3-717-355-01	0	ARM, DRIVING
	3-717-356-01		SLIDER, ARM DRIVING
			,

No.	Parts No.	SP	Description
1048	3-717-359-01	0	BEARING, DRIVING GEAR
1049	3-717-361-02		ARM (1), DOWN SW
1050	3-717-362-02	o	ARM (2), DOWN SW
1051	3-717-363-01	o	SHAFT, JOINT
	3-717-364-01	8	GEAR, JOINT
			•
	3-717-365-01		GEAR, JOINT DRIVING
	3-717-368-01		
	3-717-369-03		STOPPER, DOOR
	3-717-421-02		HOLDER (A), F.P.C
1057	3-717-435-04	0	DOOR, CASSETTE
	3-717-453-01		LEVER, LID OPEN
	3-717-454-01	0	WHEEL, WORM
1060	3-717-455-04	0	
1061	3-717-457-01	0	
1062	3-717-458-01	8	SPRING, COMPRESSION
	3-717-460-03		GUIDE (RIGHT), CASSETTE
	3-717-461-03		GUIDE (LEFT), CASSETTE
	3-717-475-01	8	GEAR, DRIVING
	X-3717-365-2		
1067	3-717-584-01	g	LEVER (B), LID OPEN
1000			
	3-717-585-01	-	BRACKET (B), PHOT
1069	3-717-586-04 3-717-596-01	0	HOLDER (MAIN), LAMP
10/0	3-717-596-01	0	
	3-717-598-01		JOINT, PLATE
10/2	3-/1/-598-01	0	JOINT, BEARWG
1073	3-717-599-01	8	ROLLER (C), GUIDE
	1-541-376-11		MOTOR, DC (DNR-4700A)
1075	3-727-017-02	0	
1077	3-727-017-02 3-738-709-01	8	PLATE
	3-646-090-01		RIVET
10/0	3-0-0-030-01		RIVEI
1079	A-6724-835-A	٥	MOUNTED CIRCUIT BOARD, CL-24
		-	





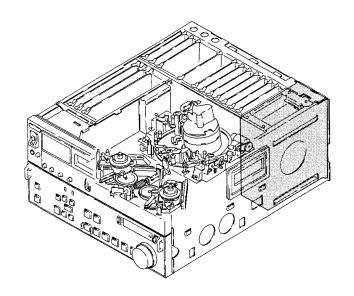
CONNECTOR PANEL

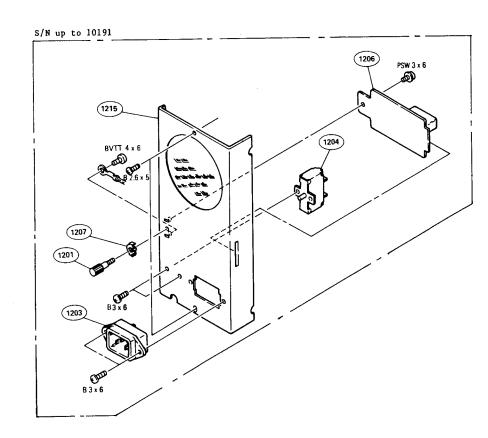


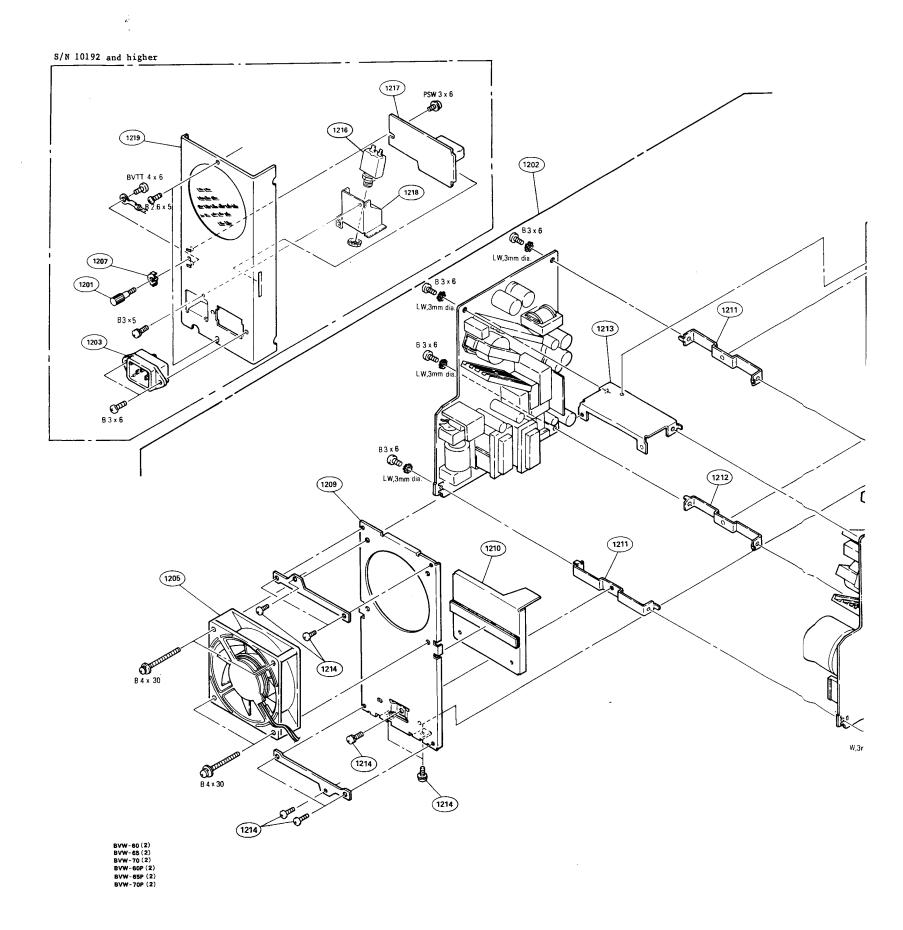
No.	Parts No.	SP	Description
1101	A-6713-420-A	o	MOUNTED CIRCUIT BOARD, CP-161A
			MOUNTED CIRCUIT BOARD, CP-101A
			SOCKET, MULTI (8P)
			CONNECTOR, 3P
1105	1-541-431-31	8	MOTOR, DC FAN
			SWITCH, SLIDE
			CONNECTOR, 36P
1108	1-561-781-21	8	CONNECTOR, BNC (RECEPTACLE)
			CONNECTOR (R-F) 12P
1110	1-563-890-11	8	SOCKET, D-SUB CONNECTOR 9P
	1-566-441-11		PIN, D-SUB CONNECTOR 15P
1112	1-624-153-11	0	PRINTED CIRCUIT BOARD, RM-57
1113	3-531-576-01	8	RIVET
1114	3-668-460-00	0	SPRING
1116	3-717-325-03	0	BRACKET, CONNECTOR
1117	3-717-326-01	o	BRACKET, FAN COVER
1118	3-717-327-01	0	SCREW (9P), CONNECTOR
1119	3-717-328-01	0	SCREW (15P), CONNECTOR
1121	3-717-420-01	0	PLATE, ORNAMENTAL, PANEL
1122	3-717-485-01	0	PANEL (L), REAR
1123	3-717-663-02	8	PLATE (P), ORNAMENTAL, CONNECTOR
	4-818-403-01		
1125	1-561-781-11	8	CONNECTOR, BNC (RECEPTACLE)
	* The screws	(BV	TT3 x 6) are used

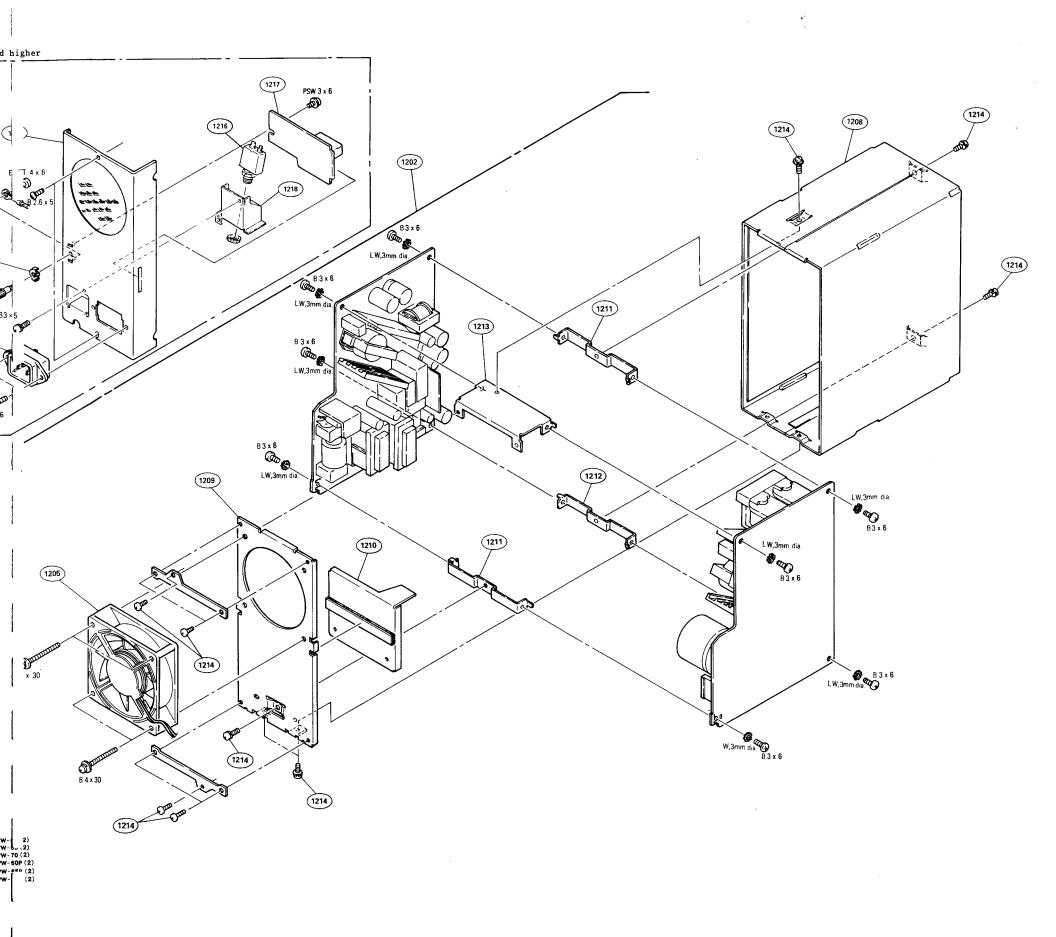
\* The screws (BVTT3 x 6) are us for S/N 10192 and higher.

# Switching Regulator Block









No. Parts No. SP Description

1201 X-2068-004-0 s TERMINAL ASS'Y

A 1202 1-413-307-24 s REGULATOR, SWITCHING (UR-21B)
1203 1-560-222-21 s 3P INLET
1204 1-532-545-51 s BREAKER, CIRCUIT

1205 1-541-431-31 s MOTOR, DC FAN

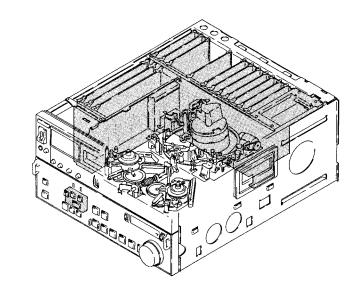
1206 1-622-608-11 o PRINTED CIRCUIT BOARD, AC-81 1-628-132-12 o PRINTED CIRCUIT BOARD, AC-96 WASHER
1208 2-403-696-01 o CASE
1209 2-403-697-11 o LID, CASE

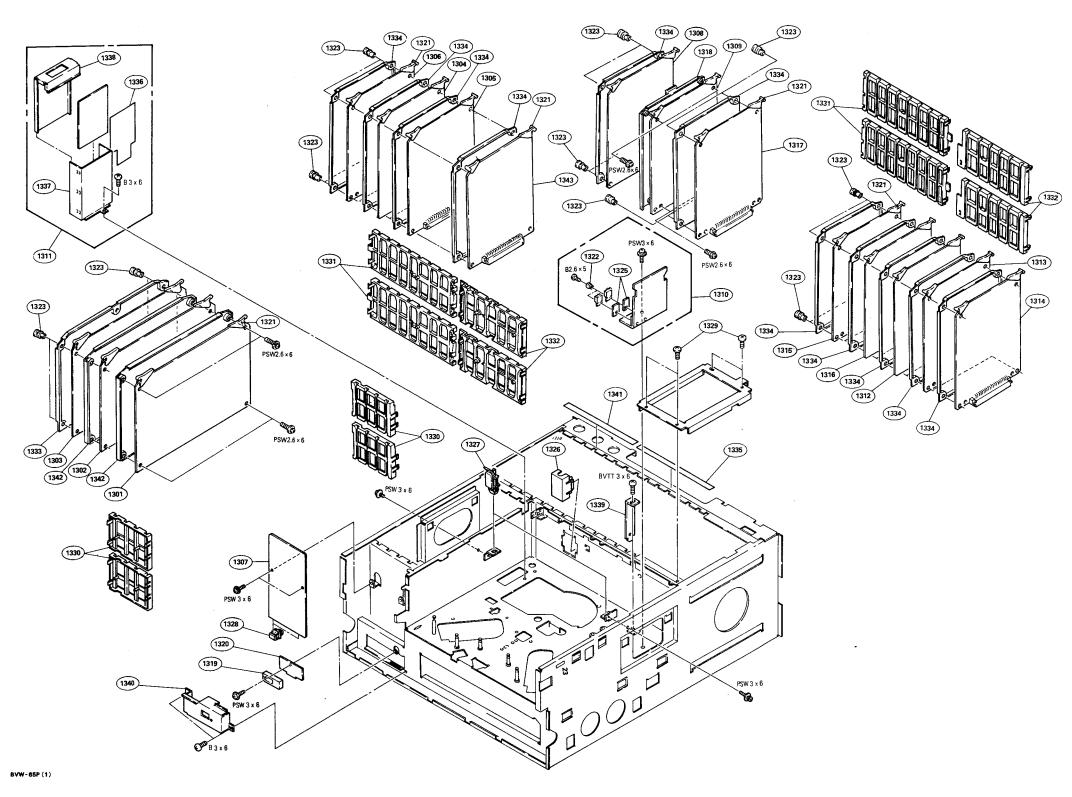
1210 2-431-695-01 o SHEET(IS-UR21-S), INSULATING
1211 2-434-441-01 o BRACKET
1212 2-434-441-11 o BRACKET
1213 2-434-4457-01 o BRACKET
1213 2-434-4457-01 o BRACKET
1214 3-703-108-01 s SCREW +BV 3 x 6, S TIGHT

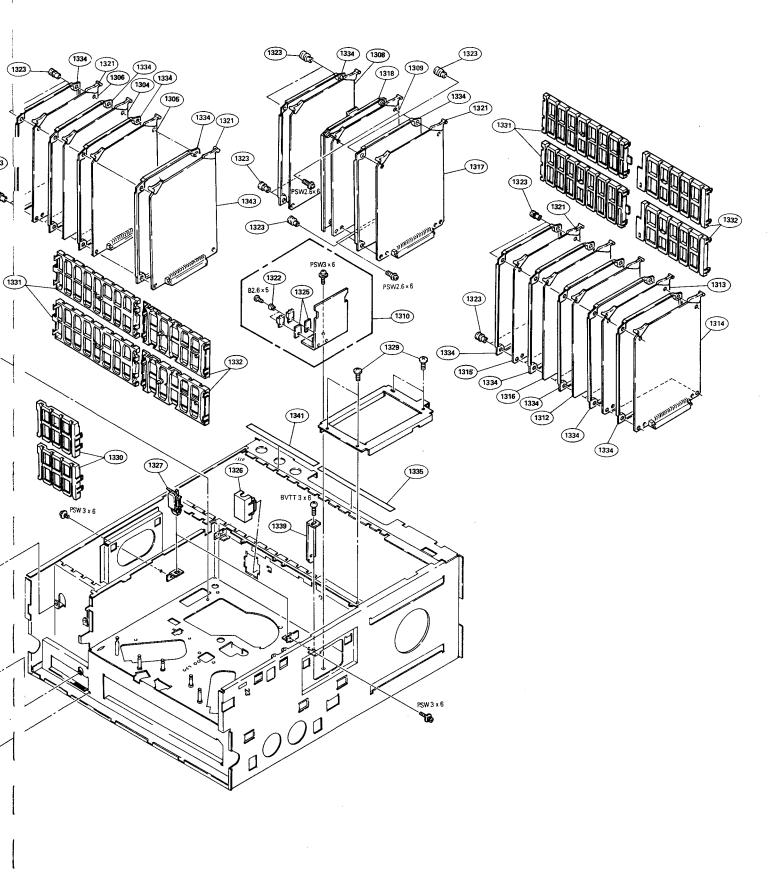
1215 3-717-434-01 o PANEL (R), REAR

A 1216 1-576-036-11 s BREAKER, CIRCUIT
1217 1-628-132-11 o PRINTED CIRCUIT BOARD, AC-96
1218 3-727-029-01 o BRCKET, BREAKER
1219 3-727-030-01 o PANEL (R), REAR

Printed Circuit Block (1)

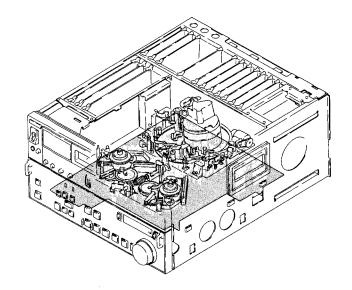


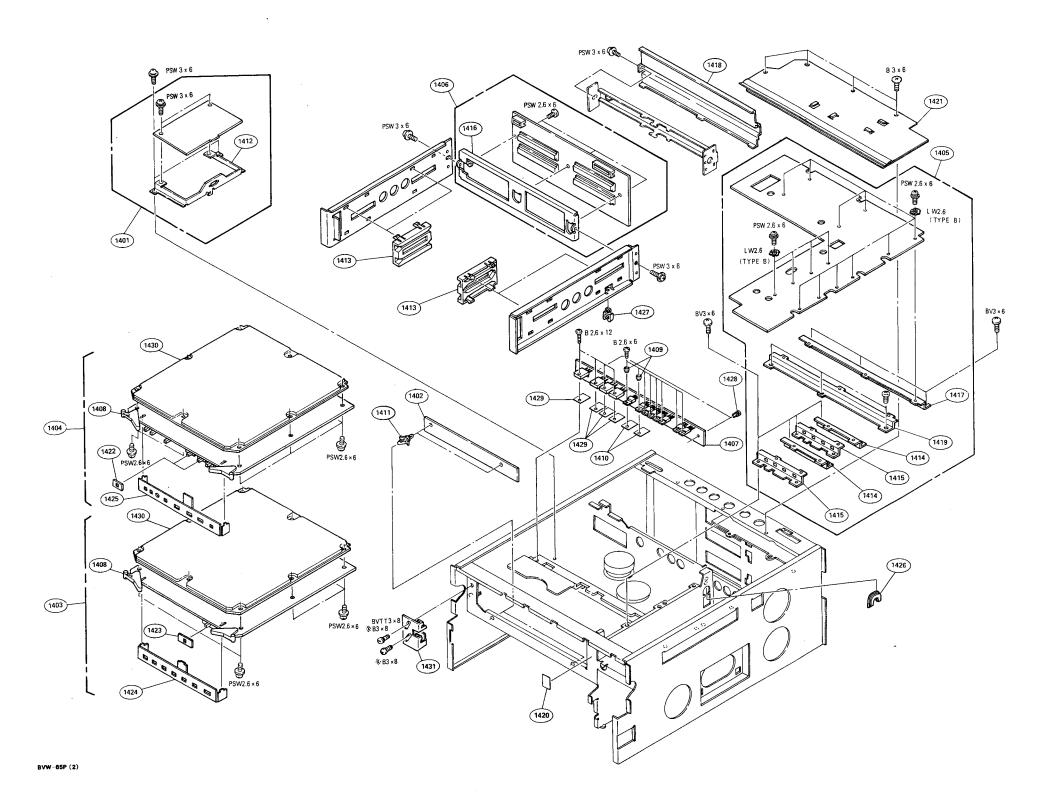




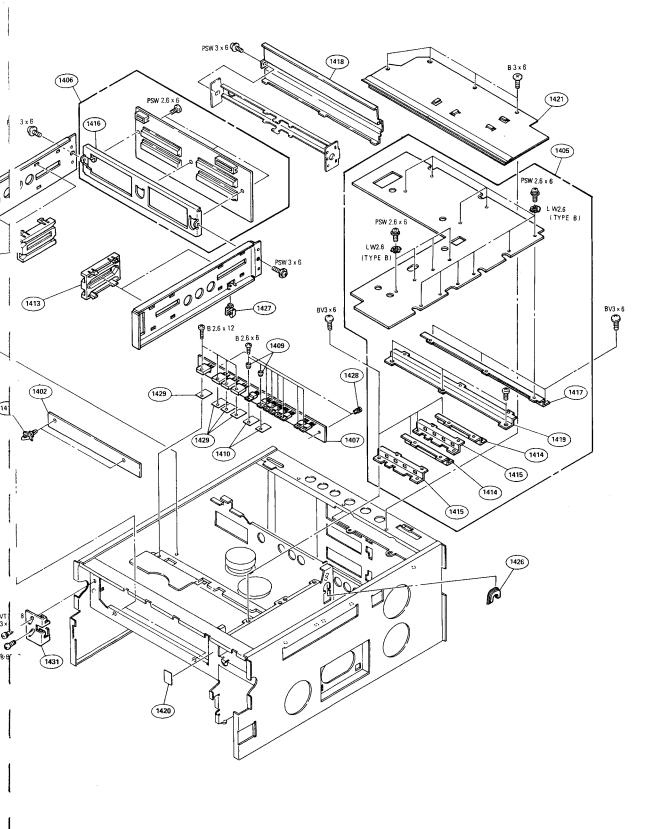
No.	Parts NO.	SP	Description
1301		0	MOUNTED CIRCUIT BOARD, DM-561
1302	A-6/11-888-A	۰.	MOUNTED CIRCUIT BOARD, TBC-71
	(for S/N up 1		
			MOUNTED CIRCUIT BOARD, TBC-71
	(for S/N 1077	U A	nd nigher)
1303	A-6711-880-C	_	MOUNTED CIRCUIT BOARD, TBC-81
1303	(for S/N up t		
			MOUNTED CIRCUIT BOARD, TBC-12
	(for S/N 1077	ທີ່	nd bigher)
1304			MOUNTED CIRCUIT BOARD, EN-481
2504	11 0/11 0/1 A	Ŭ	HOUNTED GIRCOIT BOARD, EM-401
1305	A-6711-953-A	^	MOUNTED CIRCUIT BOARD, VO-18A
	A-6711-890-A	~	MOUNTED CIRCUIT BOARD, TBC-9F
			MOUNTED CIRCUIT BOARD, BF-28A
1308	A-6713-914-A	0	MOUNTED CIRCUIT BOARD, BI-20A
1309	A-6713-330-B	0	MOUNTED CIRCUIT BOARD, AFM-1A MOUNTED CIRCUIT BOARD, AU-118
		•	The state of the s
1310	A-6715-353-A	0	MOUNTED CIRCUIT BOARD, SE-57
1311	A-6715-355-A	0	MOUNTED CIRCUIT BOARD, DT-15
1312	A-6715-386-A	0	MOUNTED CIRCUIT BOARD, DT-15 MOUNTED CIRCUIT BOARD, SV-84P
1313-	A-6715-359-A	0	MOUNTED CIRCUIT BOARD, DT-13
1314	A-6715-387-A	0	MOUNTED CITCUIT BOARD, DT-14P
			•
1315	A-6715-394-A	0	MOUNTED CIRCUIT BOARD, SV-82A
1316	A-6715-403-A	0	MOUNTED CITCUIT BOARD, SV-83B MOUNTED CIRCUIT BAORD, TC-40A
1317	A-6717-488-A	0	MOUNTED CIRCUIT BAORD, TC-40A
1318	X-3717-256-1	0	PLATE (S) ASS'Y, SHIELD, CARD
1319	1-548-152-11	0	HOURS METER, DIGITAL
1320	1-622-595-11	0	PRINTED CIRCUIT BOARD, HC-11
1321	2-251-622-11	8	LEVER, PC BOARD
1322	2-371-561-00	8	LEVER, PC BOARD BUSHING (P), INSULATING
1343	3-331-3/6-01	8	RIVET
1324	3-646-090-11	8	RIVET
1325	3-660-978-00	8	SHEET, HEAT RESISTING
1326	3-677-741-00	0	GUARD, AIR
132/	3-677-741-00 3-682-047-01 3-703-072-00	0	GUARD, AIR HOLDER (A), PC BOARD
1328	3-703-072-00	0	HOLDER, PCB
.1329	3-703-108-01	8	SCREW
1330	3_717_633_03	_	CUIDE (B) (W) BC BOARD
1331	3-717-630-01	0	GUIDE (P) (M), PC BOARD GUIDE (LL), PCB
1222	3717. A21 A1	_	CUITED (DI) DOB
1332	3-717-471-01	٥	THEIR ATOR (W) CARR
1334	3-717-473-01	٥	INSULATOR (M), CARD INSULATOR (S), CARD
	5 121 4/5 01	•	INSULATOR (5), GARD
1335	3-725-068-01	0	LABEL (RL) (DTPB), PC BOARD
1336			INSULATOR, DT
1337			BRACKET, DT
1338		0	CASE, SHIELD, DT
	3-717-577-01		PROTECTOR, CASSETTE COMPARTMEN
			•
1340	3-717-583-01	0	PLATE, INDICATION
1341	3-721-876-02	0	LABEL (P) (LL) (PB), PC BOARD
1342	X-3717-255-1	0	PLATE (M) ASS'Y, SHIELD, CARD
1343	A-6711-942-A	0	PLATE, INDICATION LABEL (P) (LL) (PB), PC BOARD PLATE (M) ASS'Y, SHIELD, CARD MOUNTED CIRCUIT BOARD, DEC-394
	(for S/N up to	10	669)
1343	A-6727-076-A	0	MOUNTED CIRCUIT BOARD, DEC-46A
	(for S/N 10670	an)	d higher)

Printed Circuit Block (2)





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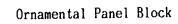
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Parts No. SP Description
 1401 A-6715-354-A o MOUNTED CIRCUIT BOARD, RE-28
 1402 A-6715-361-A o MOUNTED CIRCUIT BOARD, RE-36
 1403 A-6717-487-A o MOUNTED CIRCUIT BOARD, SY-64AP
1404 A-6717-476-B o MOUNTED CIRCUIT BOARD, SY-61A
1405 A-6725-609-B o MOUNTED CIRCUIT BOARD, MB-191B
 1406 A-6725-584-A o MOUNTED CIRCUIT BOARD, MB-192
          1-622-561-11 o PRINTED CIRCUIT BOARD, DR-56
1408 2-251-622-11 s LEVER, PC BOARD
1409 2-371-561-00 s BUSHING (P), INSULATING
1410 3-660-978-00 s SHEET, HEAT RESISTING
1411 3-703-353-01 o SUPPORT, PC BOARD
1412 3-717-308-01 o BRACKET (1), RE
1413 3-717-410-01 o GUIDE (S), PCB
1414 3-717-631-01 o BRACKET (S) (P), MB
1415 3-717-630-01 o BRACKET (M) (P), MB
1416 3-717-468-01 o JOINT, CONNECTOR
1417 3-717-480-04 o BRACKET (IR), MB
1418 3-717-490-01 o PLATE, SHIELD, MB-117
1419 3-717-491-05 o BRACKET (LF), MB
1420 3-717-528-01 o LABEL (S), PC BOARD
1421 3-717-543-01 o GUARD, MB

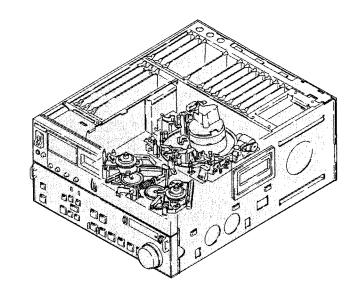
1422 3-717-551-01 o PLATE (SMALL), ORNAMENTAL, SLIDE

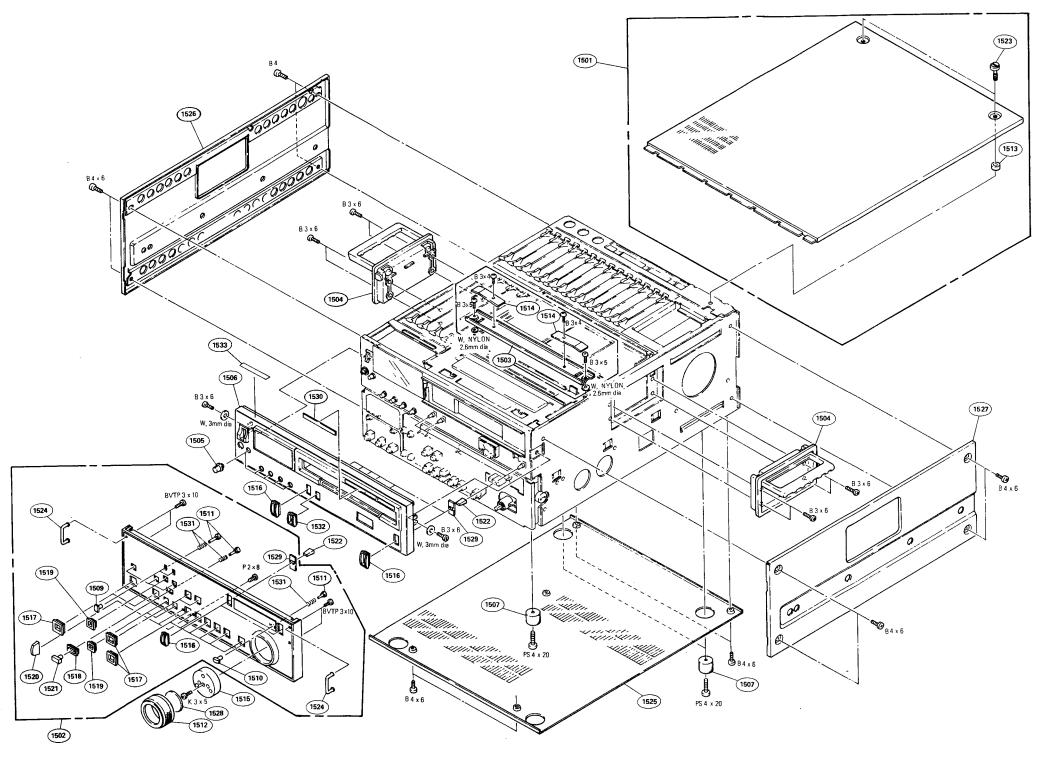
1423 3-717-552-01 o PLATE (LARGE), ORNAMENTAL SLIDE

1424 3-721-879-01 o SHEET METAL (64) (PB), ORNAMENTAL

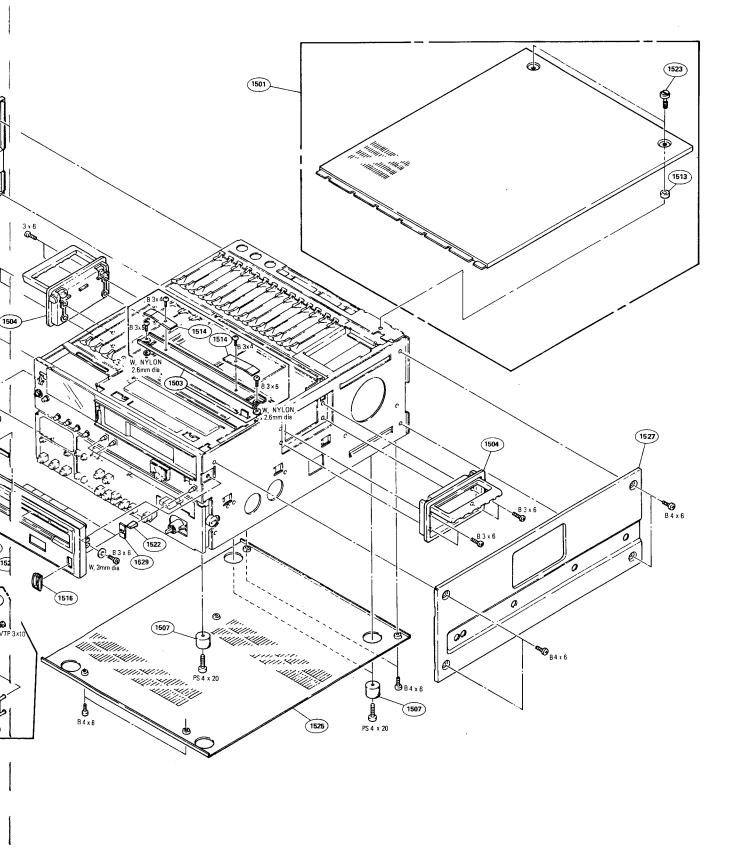
1425 3-717-660-01 o SHEET METAL (61) (PB), ORNAMENTAL
 1426 4-302-401-00 s BUSHING, DEGAUSSING COIL
1427 4-309-753-00 o HOLDER, WIRE
1428 4-812-134-00 s RIVET NYLON, 3.5
1429 4-911-232-01 s SHEET, INSULATING
1430 X-3717-290-1 o PLATE (L) ASS'Y, SHIELD, CARD
 1431 3-727-012-02 o STOPPER, SY
           * The screws (B3 x 8) are used for S/N 10161 and higher.
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NEL



No. Parts No. SP Description

1501 A-6703-674-A o LID (P) ASS'Y, UPPER 1502 A-6704-304-A o PANEL ASS'Y, KEY 1503 A-6730-932-A s STAY ASS'Y, CASSETTE COMPARTMENT 1504 X-3642-018-0 s HANDLE ASS'Y VOL

1506 X-3717-237-1 s KNOB ASS'Y, VOL

1506 X-3717-276-1 o PANEL SUB ASS'Y, FRONT 1507 3-648-007-02 s PUSH BUTTON, 5 x 9 (BLACK) 1509 3-668-007-11 s PUSH BUTTON, 5 x 9 (WHITE) 1510 3-668-008-02 s PUSH BUTTON (3 x 5)

1511 3-668-008-02 s PUSH BUTTON (3 x 5)

1511 3-668-012-00 s RUBBER, DIAL KNOB 1513 3-668-012-00 s RUBBER, DIAL KNOB 1513 3-717-306-01 o SPRING 1515 3-717-370-01 o KNOB, DIAL

1516 3-717-374-01 o FRAME (23 x 12), ORNAMENTAL, SW 1517 3-717-378-01 o FRAME (SQUARE 17), ORNAMENTAL 1518 3-717-378-01 o FRAME (SQUARE 17), ORNAMENTAL 1520 3-717-380-01 o GUARD, REC

1521 3-717-381-01 s PUSH BUTTON (15 x 8)

1522 3-717-382-01 s KNOB, LEVER, SW 1523 3-717-392-01 o SCREW, LID 1524 3-717-483-01 o HAMDLE 1525 3-717-483-01 o FLATE, BOTTOM 1528 3-717-483-01 o FLATE, BOTTOM 1528 3-717-483-01 o FLATE, BOTTOM 1528 3-717-483-01 o FLATE, BOTTOM 1528 3-717-557-01 o FLATE, KNOB 1529 3-717-613-01 o PLATE, KNOB 1529 3-717-613-01 o PLATE, KNOB 1532 3-717-613-01 o PLATE, KNOB 1533 3-717-375-01 o FRAME (18 x 12), ORNAMENTAL, SW LABEL, MODEL 1531 4-309-349-00 s SPRING, COIL 1533 3-717-375-01 o FRAME (18 x 12), ORNAMENTAL, SW LABEL (MADE IN JAPAN)

## 19-3. ELECTRICAL PARTS LIST

General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list. Reference numbers are omitted.

#### **ABBREVIATIONS**

Ref. No.	Description	Ref. No.	Description	Ref. No.	Description
	•		·		•
C00, CT00	CAPACITOR	IC 🗆 🗆	IC	<b>Q</b> $\Box$ $\Box$	TRANSISTOR
CFOO	CERAMIC FILTER	<b>J</b> 00	JACK	R00, RV00	RESISTOR
CN□□	CONNECTOR	<b>L</b>	INDUCTOR	RYOD	RELAY
000	DIODE	Moo	MOTOR	S□□, SW□□	SWITCH
DL 🗆 🗆	DELAY LINE	MEOO	METER	SBOO	SOLAR BATTERY
FOO	FUSE	MICOO	MICROPHONE	<b>T</b> 00	TRANSFORMER
<b>FB</b> $\Box$ $\Box$	FERRITE BEAD	PG 🗆 🗇	PG COIL	THOO	THERMISTOR
FLOO	FILTER	PLOO	LAMP	XOO	CRYSTAL
HOO	HEAD	PM@@	SOLENOIDE		

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

13) marked parts are for serial No. 10544 through 10574.

All resistors are in ohms.

1) marke	d parts	are	for	serial	No.	10061	through 10160.	14)	marked	parts	are	for	serial	No.	10061	through 10669.
2) marke	d parts	are	for	serial	No.	10161	and higher.	15)	marked	parts	are	for	serial	No.	10670	and higher.
3) marke	d parts	are	for	serial	No.	10061	through 10191.	16)	marked	parts	are	for	serial	No.	10192	through 10574.
4) marke	d parts	are	for	serial	No.	10192	and higher.	17)	marked	parts	are	for	serial	No.	10061	through 10769.
5) marke	d parts	are	for	serial	No.	10161	through 10191.	18)	marked	parts	are	for	serial	No.	10770	and higher.
6) marke	d parts	are	for	serial	No.	10061	through 10416.	19)	marked	parts	are	for	serial	No.	10192	through 10669.
7) marke	d parts	are	for	serial	No.	10417	and higher.	20)	marked	parts	are	for	serial	No.	10061	through 10889.
8) marke	d parts	are	for	serial	No.	10061	through 10543.	21)	marked	parts	are	for	serial	No.	10890	and higher.
9) marke	d parts	are	for	serial	No.	10544	and higher.	22)	marked	parts	are	for	serial	No.	10061	through 11154.
10) marke	d parts	are	for	serial	No.	10061	through 10574.	23)	marked	parts	are	for	serial	No.	11155	and higher.
							and higher.	24)	marked	parts	are	for	serial	No.	10061	through 11259.
12) marke	d parts	are	for	serial	No.	10161	through 10574.	25)	marked	parts	are	for	serial	No.	11260	and higher.

Parts No. SP Description CAPACITOR, CERAMIC, SBL 1-161-039-00 s CAP, CERAMIC 0.001 10% 50V 1-161-041-00 s CAP, CERAMIC 0.0015 107 50V 1-161-043-00 s CAP, CERAMIC 0.0022 107 50V 1-161-045-00 s CAP, CERAMIC 0.0033 10% 50V 1-161-047-00 s CAP, CERAMIC 0.0047 10% 50V 1-161-049-00 s CAP, CERAMIC 0.0068 10% 50V 1-161-051-00 s CAP, CERAMIC 0.01 10% 50V 1-161-053-00 s CAP, CERAMIC 0.015 10% 50V 1-161-055-00 s CAP, CERAMIC 0.022 10% 50V 1-161-057-00 s CAP, CERAMIC 0.033 10% 50V 1-161-021-11 s CAP, CERAMIC 0.047 10% 25V 1-161-051-00 s CAP, CERAMIC 0.047 10% 27V 1-161-061-00 s CAP, CERAMIC 0.068 10% 50V 1-161-772-11 s CAP, CERAMIC 0.1 10% 25V 1-161-063-00 s CAP, CERAMIC 0.1 10% 50V CAPACITOR, CHIP CERAMIC 1-163-083-00 s CAP, CHIP CERAMIC 1pF +0.25pF 50V 1-163-085-00 s CAP, CHIP CERAMIC 2pF +0.25pF 50V 1-163-089-00 s CAP, CHIP CERAMIC 4pF +0.25pF 50V 1-163-091-00 s CAP, CHIP CERAMIC 6pF +0.5pF 50V +0.5pF 50V 1-163-093-00 s CAP, CHIP CERAMIC 10pF 1-163-097-00 s CAP, CHIP CERAMIC 15pF 1-163-101-00 s CAP, CHIP CERAMIC 22pF 1-163-105-00 s CAP, CHIP CERAMIC 33pF 5% 50V 5% 50 V 5% 50 V 5% 50V 1-163-109-00 s CAP, CHIP CERAMIC 47pF 5% 50V 1-163-113-00 s CAP, CHIP CERAMIC 68pF 1-163-117-00 s CAP, CHIP CERAMIC 100pF 5% 50 V 1-163-121-00 s CAP, CHIP CERAMIC 150pF 1-163-125-00 s CAP, CHIP CERAMIC 220pF 5% 50V 5% 50V 1-163-129-00 s CAP, CHIP CERAMIC 330pF 5% 50V 1-163-133-00 s CAP, CHIP CERAMIC 470pF 1-163-137-00 s CAP, CHIP CERAMIC 680pF 1-163-141-00 s CAP, CHIP CERAMIC 1000pF 1-163-145-00 s CAP, CHIP CERAMIC 1500pF 5% 50V 5% 50V 5% 50V 1-163-013-00 s CAP, CHIP CERAMIC 2200pF 10% 50V 1-163-015-00 s CAP, CHIP CERAMIC 3300pF 10% 50V 1-163-017-00 s CAP, CHIP CERAMIC 4700pF 1-163-019-00 s CAP, CHIP CERAMIC 6800pF 10% 50V 1-163-021-00 s CAP, CHIP CERAMIC 0.01 1-163-023-00 s CAP, CHIP CERAMIC 0.015 10% 50V 1-163-034-00 s CAP, CHIP CERAMIC 0.033 1-163-035-00 s CAP, CHIP CERAMIC 0.047 1-163-036-00 s CAP, CHIP CERAMIC 0.068 1-163-038-00 s CAP, CHIP CERAMIC 0.1

Parts No. SP Description

### CAPACITOR, ELECTROLYTIC

1-124-902-00	8	CAP,	ELECT	0.47	20%	50 V
1-124-791-11	8	CAP.	ELECT	1.0	20%	100 V
1-124-925-11	8	CAP,	ELECT	2.2	20%	100V
1-123-382-00	8	CAP,	ELECT	3.3	20%	100V
1-124-927-00	8	CAP.	ELECT	4.7	20%	100V
	•	,				
1-123-875-91	8	CAP.	ELECT	10	20%	50 V
1-124-908-11	8	CAP.	ELECT	22	20%	50 V
1-124-963-11	8	CAP,	ELECT	33	20%	16 V
1-124-482-11	8	CAP.	ELECT	33	20%	35 <b>V</b>
1-124-917-11	8	CAP,	ELECT	33	20%	63 V
•		•				
1-124-446-11	s	CAP,	ELECT	47	20%	10 V
1-124-477-11	8	CAP,	ELECT	47	20%	25V
1-124-910-11	8	CAP,	ELECT	47	20%	50 V
1-124-443-00	8	CAP,	ELECT	100	20%	10 V
1-126-101-11	s	CAP,	ELECT	100	20%	16 V
		•				
1-124-478-11	8	CAP.	ELECT	100	20%	25 V
1-124-122-11	s	CAP,	ELECT	100	20%	50 V
1-124-444-00	8	CAP,	ELECT	220	20%	10 <b>V</b>
1-124-120-11	8	CAP,	ELECT	220	20%	25 <b>V</b>
1-124-484-11	8	CAP,	ELECT	220	20%	35V
1-124-911-11	8	CAP,	ELECT	220	20%	50 V
1-124-442-00	8	CAP,	ELECT	330	20%	6.3V
1-124-604-00	8	CAP,	ELECT	330	20%	10 <b>V</b>
1-124-119-00	8	CAP,	ELECT	330	20%	16 V
1-124-479-11	8	CAP,	ELECT	330	20%	25V
1-124-485-11	8	CAP,	ELECT	330	20%	35V
1-124-912-11	8	CAP,	ELECT	330	20%	50 V
1-124-472-11	8	CAP,	ELECT	470	20%	10V
1-124-475-11	s	CAP,	ELECT	470	20%	16 V
1-124-480-11	8	CAP,	ELECT	470	20%	25V
1-126-104-11	8	CAP,	ELECT	470	20%	35V
1-124-913-11	6	CAP,	ELECT	470	20%	50 V

#### CAPACITOR, MICA, SILVERED

1-107-019-00	s	CAP,	MICA	1.0pF	40 E-12	5001
					±0.5pF	-
1-107-039-00	s	CAP,	MICA	1.2pF	±0.5pF	5001
1-107-040-00	8	CAP,	MICA	1.5pF	±0.5pF	5001
1-107-041-00	8	CAP,	MICA	1.8pF	±0.5pF	5001
1-107-042-00	8	CAP,	MICA	2.2pF	<u>+</u> 0.5pF	5001
1-107-043-00	8	CAP,	MICA	2.7pF	<u>+</u> 0.5pF	5001
1-107-044-00	8		MICA	3.3pF	<u>+</u> 0.5pF	5001
1-107-045-00	8	CAP,	MICA	3.9pF	±0.5pF	5001
1-107-046-00	8	CAP,	MICA	4.7pF	±0.5pF	5001
1-107-026-00	8	CAP,	MICA	5.1pF	+0.5pF	500
1-107-047-00	8	CAP,	MICA	5.6pF	+0.5pF	500
1-107-048-00	8	CAP,	MICA	6.8pF	+0.5pF	500
1-107-049-00	8	CAP,	MICA	8.2pF		5001
1-107-202-00	8	CAP,	MICA	10pF	5%	500
1-107-203-00	8	CAP.	MICA	11 pF	5%	500
		•		•		
1-107-204-00	8	CAP.	MICA	12 pF	5%	500
	8				5%	500
	8			•		500
	s	•				500
	-					500
	-			p.	2.0	
1-107-209-00	s	CAP.	MTCA	20 pF	5%	500
				•		500
	-	•				500
	-	•				500
		•		•		500
1-10/-138-00	8	unr,	MICA	Jopr	26	000
	1-107-044-00 1-107-045-00 1-107-046-00 1-107-026-00 1-107-047-00 1-107-048-00 1-107-049-00	1-107-044-00 s 1-107-045-00 s 1-107-046-00 s 1-107-046-00 s 1-107-047-00 s 1-107-048-00 s 1-107-049-00 s 1-107-202-00 s 1-107-203-00 s 1-107-205-00 s 1-107-205-00 s 1-107-208-00 s 1-107-208-00 s 1-107-208-00 s 1-107-211-00 s 1-107-211-00 s 1-107-211-00 s	1-107-044-00 s CAP, 1-107-045-00 s CAP, 1-107-046-00 s CAP, 1-107-026-00 s CAP, 1-107-048-00 s CAP, 1-107-049-00 s CAP, 1-107-202-00 s CAP, 1-107-203-00 s CAP, 1-107-205-00 s CAP, 1-107-206-00 s CAP, 1-107-208-00 s CAP, 1-107-208-00 s CAP, 1-107-208-00 s CAP, 1-107-208-00 s CAP, 1-107-208-00 s CAP, 1-107-208-00 s CAP, 1-107-209-00 s CAP, 1-107-211-00 s CAP, 1-107-211-00 s CAP, 1-107-157-00 s CAP, 1-107-157-00 s CAP,	1-107-044-00 s CAP, MICA 1-107-045-00 s CAP, MICA 1-107-046-00 s CAP, MICA 1-107-026-00 s CAP, MICA 1-107-049-00 s CAP, MICA 1-107-049-00 s CAP, MICA 1-107-203-00 s CAP, MICA 1-107-205-00 s CAP, MICA 1-107-206-00 s CAP, MICA 1-107-206-00 s CAP, MICA 1-107-206-00 s CAP, MICA 1-107-208-00 s CAP, MICA 1-107-208-00 s CAP, MICA 1-107-208-00 s CAP, MICA 1-107-208-00 s CAP, MICA 1-107-209-00 s CAP, MICA 1-107-209-00 s CAP, MICA 1-107-211-00 s CAP, MICA 1-107-211-00 s CAP, MICA 1-107-157-00 s CAP, MICA	1-107-044-00 s CAP, MICA 3.3pF 1-107-045-00 s CAP, MICA 3.9pF 1-107-046-00 s CAP, MICA 4.7pF 1-107-026-00 s CAP, MICA 5.1pF  1-107-049-00 s CAP, MICA 5.6pF 1-107-049-00 s CAP, MICA 6.8pF 1-107-049-00 s CAP, MICA 10pF 1-107-203-00 s CAP, MICA 11pF  1-107-204-00 s CAP, MICA 12pF 1-107-205-00 s CAP, MICA 13pF 1-107-206-00 s CAP, MICA 15pF 1-107-208-00 s CAP, MICA 18pF 1-107-208-00 s CAP, MICA 20pF 1-107-211-00 s CAP, MICA 22pF 1-107-211-00 s CAP, MICA 22pF 1-107-157-00 s CAP, MICA 22pF 1-107-157-00 s CAP, MICA 22pF	1-107-044-00 s CAP, MICA 3.3pF 10.5pF 1-107-045-00 s CAP, MICA 3.9pF 10.5pF 1-107-046-00 s CAP, MICA 4.7pF 10.5pF 1-107-026-00 s CAP, MICA 5.1pF 10.5pF 1-107-049-00 s CAP, MICA 5.6pF 10.5pF 1-107-049-00 s CAP, MICA 8.2pF 10.5pF 1-107-202-00 s CAP, MICA 10pF 5% 1-107-203-00 s CAP, MICA 11pF 5% 1-107-205-00 s CAP, MICA 13pF 5% 1-107-205-00 s CAP, MICA 13pF 5% 1-107-208-00 s CAP, MICA 13pF 5% 1-107-208-00 s CAP, MICA 12pF 5% 1-107-208-00 s CAP, MICA 12pF 5% 1-107-208-00 s CAP, MICA 12pF 5% 1-107-209-00 s CAP, MICA 12pF 5% 1-107-209-00 s CAP, MICA 20pF 5% 1-107-211-00 s CAP, MICA 22pF 5% 1-107-211-00 s CAP, MICA 22pF 5% 1-107-157-00 s CAP, MICA 27pF 5% 1-107-157-00 s CAP, MICA 27pF 5% 1-107-157-00 s CAP, MICA 27pF 5% 5% 1-107-157-00 s CAP, MICA 27pF 5%

50 V

50 V

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Parts No.	SP	Desc	riptio	on				Parts No.	SP	Desc	ription			
			•								-			
1-107-159-00						500 V		CAPACITOR, TA	ANTA	LUM				
1-107-074-00						50V		1 101 001 11						
1-107-075-00						50 V		1-131-396-11						35V
1-107-076-00						50 V		1-131-397-11						35V
1-107-077-00	8	CAP,	MICA	4/pF	57	50 <b>v</b>		1-131-398-11						350
1 107 1// 00				F1 -		F00		1-131-399-11						35V
1-107-164-00						500 V		1-131-400-11	8	CAP,	TANTALUM	0.047	20%	35V
1-107-165-00						500 V		1 121 /01 21		0.5	maxmax 1114	0.00	100	2 5 4 4
1-107-166-00						500 V		1-131-401-21						35V
1-107-036-00						500 V		1-131-341-21						35V
1-107-167-00	₿	CAP,	MICA	/5pF	57	500 V		1-131-342-21						35V
								1-131-343-21						35V
1-107-083-00						50 V		1-131-344-21	8	CAP,	TANTALUM	0.33	10%	35V
1-107-084-00						50 V		1 121-412-11	_	CAR	MANDAT TIM	0.47	20*	0017
1-107-085-00						50 V		1-131-412-11	8	CAP,	TANIALUM	0.4/		20 V
1-107-086-00						50 V		1-131-345-21	8	CAP,	TANTALUM	0.47		35V
1-107-087-00	s	CAP,	MICA	1 ZUPF	5%	50 V		1-131-410-11	8	CAP,	TANTALUM	0.08		25V
. 100 500 50				120 -		100**		1-131-346-21	8	CAP,	TANTALUM	0.68		35V
1-109-538-00						1007		1-131-413-11	8	CAP,	TANTALUM	1.0	20%	20 V
1-109-539-00						1007							10=	25-
1-107-090-00						50V		1-131-347-21					10%	35V
1-109-540-00						100 V		1-131-416-11					20%	16 V
1-109-541-00	s	CAP,	MICA	ZUUPF	ンス	100 V	•	1-131-348-21					10%	35V
1-100 540 00		045	MTC+	220-11		100**		1-131-419-11					20%	10V
1-109-542-00						100V		1-131-361-21		•			10%	20 V
1-109-545-00						100 V		1121240 01			maxmax ***		10=	25-
1-109-547-00						100 V		1-131-499-21	8	CAP,	TANIALUM	2.2	10%	35V
1-109-549-00						100 V 500 V		1-131-240-01	6	CAP,	MULATURA	3.3		6.37
1-109-633-00	6	CAP,	MICA	4/UpF	2%	200 V		1-131-324 01	8	CAP,	TANTALUM	3.3	10%	16 V
1-100-555-00	_	CAB	MTC	560		1001		1-131-350-31	\$	CAP,	MULIALINA	3.3	10%	25V
1-109-555-00 1-109-635-00						100 V		1-131-330-21	8	CAP,	TANTALUM	3.3	10%	35V
1-103-033-00	8	CAP,	MICA	4/UP#	2%	500 V							204	1 5 5 7 7
								1-131-425-11						3.15V
								1-131-375-21						10V
CAPACITOR, MY	ZY A D							1-131-363-21 1-131-351-21					10%	20 V
CAFACITUR, MI	LLAK							1-131-392-21	8	CAP	TWITTER	4./ 6 º		35V
1-130-/67-00		CAP	MYT AD	470nF	59	50 V		1 131-302-51	8	oar,	TWITTEN	0.0	10%	6.3V
1-130-407-00	a	CAP,	MATYD	SAA-P	JA 59	50 V		1-131-370-21		CAB	TANTAT IIV	<b>6</b> 0	10*	14 **
1-130-400-00	8	CAP,	MYTAD	. Joopt	59	50 V		1-131-370-21	ä	CAP,	TWILTHE	0.0	10%	16 V
1-130-470-00		CAP,	MALTE	82052	5% 5%	50 V		1-131-350-21	ž c	CAP,	TWLTWTOW	0.0 6 P	10%	25V
1-130-471-00	5	CAP,	MALVE	1000-2	59	50 V		1-131-390-31	8 .	CAP,	TWATUTE	10	10%	
· 130 4/1=00		oni,	DUT	Tooobt	J/6	JJ 1		1-131-377-21	8	CAP,	TAMIALINA	10		3.15V
1-130-472-00	£	CAP	MYT.AP	1200nF	57	50 V		1 131-3//-21	8	unr,	TAMIALUM	10	10%	10V
1-130-473-00	a	CAP,	MYT.AR	1500pr	52	50 V		1-131-365-21		CAP	TANTAT IIM	10	107	2012
1-130-474-00	g	CAP.	MYT.AP	18005	57	50 V		1-131-353-31	*	CAP,	TANTALUM	10	10%	20 V
1-130-475-00	g	CAP,	MYT.AR	2200pF	57	50V		1-131-384-21		CAP	TANTALUM	15	10%	35V 6.3V
1-130-476-00	9	CAP	MYLAR	2700nF	57	50 V		1-131-379-21	ø	CAP	TANTAL IM	15	10%	16 V
	-	,		_, -vpr	J.10			1-131-360-21	e	CAP.	TANTALIM	15	10%	25V
1-130-477-00	s	CAP.	MYLAR	3300pF	5%	50 <b>v</b>		- 131 300 21	٠	onr,	I'm INLUM	1,	10%	234
1-130-478-00	8	CAP	MYLAR	3900pF	5%	50 V		1-131-391-21	e	CAP	TANTAI IIM	22	107 3	3.15V
1-130-479-00	g	CAP	MYLAR	4700pF	52	50 V		1-131-379-21		CAP,	TANTAL IIM	22		100
1-130-480-00	s	CAP.	MYLAR	5600pF	5%	50 V		1-131-367-21	g	CAP.	TANTALIM	22	10%	
1-130-481-00	8	CAP.	MYLAR	6800pF	5%	50 V		1-131-386-21	8	CAP	TANTALUM	33		6.3V
	-	,						1-131-374-21	8	CAP.	TANTALUM	33		16 V
1-130-482-00	8	CAP.	MYLAR	8200pF	5%	50 V			-	,				101
1-130-483-00	8	CAP.	MYLAR	0.01	5%	50 V		1-131-393-21	8	CAP.	TANTALUM	47	107 3	3.15V
1-130-484-00								1-131-381-21						100
1-130-485-00								1-131-388-21						6.3V
1-130-486-00								1-131-395-21						3.15V
		•						<b>-</b>		•				
1-130-487-00														
1-130-488-00														
1-130-489-00														
1-130-490-11														
1-130-491-00	8	CAP,	MYLAR	0.047	5%	50 V								
							•							
		CAP.	MYLAR											
1-130-492-11						EU II								
1-130-493-00	8	CAP,												
1-130-493-00 1-130-494-11	8 8	CAP,	MYLAR	0.082	5%	50 V								
1-130-493-00 1-130-494-11 1-130-495-00	8 8	CAP, CAP,	MYLAR MYLAR	0.082	5% 5%	50 V 50 V								
1-130-493-00 1-130-494-11 1-130-495-00	8 8	CAP, CAP,	MYLAR MYLAR	0.082	5% 5%	50 V 50 V								
1-130-493-00 1-130-494-11 1-130-495-00 1-130-496-00	8 8 8	CAP, CAP, CAP,	MYLAR MYLAR MYLAR	0.082 0.1 0.12	5% 5% 5%	50 V 50 V 50 V								
1-130-493-00 1-130-494-11 1-130-495-00 1-130-496-00 1-130-497-00	8 8 8	CAP, CAP, CAP, CAP,	MYLAR MYLAR MYLAR MYLAR	0.082 0.1 0.12	5% 5% 5% 5%	50 V 50 V 50 V 50 V								
1-130-493-00 1-130-494-11 1-130-495-00 1-130-496-00 1-130-497-00 1-130-498-00	8 8 8 8	CAP, CAP, CAP, CAP,	MYLAR MYLAR MYLAR MYLAR MYLAR	0.082 0.1 0.12 0.15 0.18	5% 5% 5% 5%	50 V 50 V 50 V 50 V 50 V								
1-130-492-11 1-130-493-00 1-130-494-11 1-130-495-00 1-130-496-00 1-130-497-00 1-130-499-00 1-130-499-00 1-136-502-11	\$ \$ \$ \$ \$	CAP, CAP, CAP, CAP, CAP,	MYLAR MYLAR MYLAR MYLAR MYLAR MYLAR	0.082 0.1 0.12 0.15 0.18 0.22	5% 5% 5% 5%	50 V 50 V 50 V 50 V 50 V								

Parts No. SP Description Parts No. SP Description CONNECTOR 1-564-683-11 o RECEPTACLE 13P MALE (STRAIGHT TYPE) 1-564-743-11 o RECEPTACLE 13P MALE (ANGLE TYPE) 1-564-001-11 o RECEPTACLE 2P MALE (STRAIGHT TYPE) 1-562-627-11 o HOUSING 1-564-026-21 o CONTACT 13P 1-564-012-11 o RECEPTACLE 2P MALE (ANGLE TYPE) AWG24-30 1-562-147-11 o HOUSING 2 P 1-564-681-21 o CONTACT 1-564-026-21 o CONTACT AWG24-30 1-564-069-11 o RECEPTACLE 14P MALE (STRAIGHT TYPE)
1-564-630-11 o RECEPTACLE 14P MALE (ANGLE TYPE)
1-562-185-11 o HOUSING 14P 1-564-681-21 o CONTACT AWG32 1-564-002-11 o RECEPTACLE 3P MALE (STRAIGHT TYPE) 1-564-013-11 o RECEPTACLE 3P MALE (ANGLE TYPE)
1-562-148-11 o HOUSING 3P 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT 1-564-855-11 o RECEPTACLE 15P MALE (STRAIGHT TYPE) AWG32 1-564-877-11 o RECEPTACLE 15P MALE (ANGLE TYPE) 1-564-003-11 o RECEPTACLE 4P MALE (STRAIGHT TYPE) 1-562-958-11 o HOUSING 15P 1-564-014-11 o RECEPTACLE 4P MALE (ANGLE TYPE) 1-562-149-11 o HOUSING 4P 1-564-026-21 o CONTACT AWG24-30 AWG24-30 1-564-026-21 o CONTACT 1-564-681-21 o CONTACT AWG32 1-564-681-21 o CONTACT AWG32 1-564-004-11 o RECEPTACLE 5P MALE (STRAIGHT TYPE)
1-564-015-11 o RECEPTACLE 5P MALE (ANGLE TYPE)
1-562-150-11 o HOUSING 5P 1-564-026-21 o CONTACT 1-564-681-21 o CONTACT AWG32 1-564-005-11 o RECEPTACLE 6P MALE (STRAIGHT TYPE) 1-564-016-11 o RECEPTACLE 6P MALE (ANGLE TYPE) 1-562-151-11 o HOUSING 1-564-026-21 o CONTACT 1-564-681-21 o CONTACT AWG24-30 AWG32 1-564-006-11 o RECEPTACLE 7P MALE (STRAIGHT TYPE) 1-564-017-11 o RECEPTACLE 7P MALE (ANGLE TYPE) RECEPTACLE 1-562-152-11 o HOUSING 1-564-026-21 o CONTACT 7 P AWG24-30 straight type 1-564-681-21 o CONTACT AWG32 1-564-007-11 o RECEPTACLE 8P MALE (STRAIGHT TYPE) 1-564-018-11 o RECEPTACLE 8P MALE (ANGLE TYPE)
1-562-153-11 o HOUSING 8P 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-008-41 o RECEPTACLE 9P MALE (STRAIGHT TYPE) PLUG1-564-019-11 o RECEPTACLE 9P MALE (ANGLE TYPE) 1-562-154-11 o HOUSING housing 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-009-11 o RECEPTACLE 10P MALE (STRAIGHT TYPE) 1-564-020-11 o RECEPTACLE 10F MALE (SIRAIGHT 1FF 1-562-155-11 o ROUSING 10F 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-010-21 o RECEPTACLE 11P MALE (STRAIGHT TYPE)
1-564-021-11 o RECEPTACLE 11P MALE (ANGLE TYPE)
1-562-156-11 o HOUSING 11P
1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-011-11 o RECEPTACLE 12P MALE (STRAIGHT TYPE) 1-564-022-11 o RECEPTACLE 12P MALE (ANGLE TYPE) 1-562-157-11 o HOUSING 12P 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT

angle type

contact

Parts No. SP Description

INDUCTOR, MICH	30				
1-408-397-00	s	INDUCTOR,	MICRO	1.0	5%
1-408-399-00	s	INDUCTOR,	MICRO	1.5	5%
1-408-400-00	s	INDUCTOR,	MICRO	1.8	5%
1-408-401-00	8	INDUCTOR,	MICRO	2.2	5%
1-408-403-00	s	INDUCTOR,	MICRO	3.3	5%
1-400-403 00		INDUCTOR,			2.4
1-408-404-00	8	INDUCTOR,	MICRO	3.9	5%
1-408-405-00	s	INDUCTOR,	MICRO	4.7	5%
1-408-406-00	8	INDUCTOR,	MICRO	5.6	5%
1-408-407-00	8	INDUCTOR,	MICRO	6.8	5%
1-408-408-00	s	INDUCTOR,	MICRO	8.2	5%
1 100 100 00	-	,			
1-408-409-00	s	INDUCTOR,	MICRO	10	5%
1-408-410-00	8	INDUCTOR,	MICRO	12	5%
1-408-411-00	8	INDUCTOR,	MICRO	15	5%
1-408-412-00	8	INDUCTOR,	MICRO	18	5%
1-408-413-00	8	INDUCTOR,	MICRO	22	5%
1-408-414-00	8	INDUCTOR,	MICRO	27	5%
1-408-415-00	s	INDUCTOR,	MICRO	33	5%
1-408-416-00	s	INDUCTOR,	MICRO	39	5%
1-408-417-00	s	INDUCTOR,	MICRO	47	5%
1-408-418-00	5	INDUCTOR,	MICRO	56	5%
		•			
1-408-419-00	s	INDUCTOR,	MICRO	68	5%
1-408-420-00	s	INDUCTOR,	MICRO	82	5%
1-408-421-00	s	INDUCTOR,	MICRO	100	5%
1-408-422-00	8	INDUCTOR,	MICRO	120	5%
1-408-423-00	s	INDUCTOR,	MICRO	150	5%
1-408-424-00	8	INDUCTOR,	MICRO	180	5%
1-408-425-00	8	INDUCTOR,	MICRO	220	5%
1-408-426-00	8	INDUCTOR,	MICRO	270	5%
1-408-427-00	8	INDUCTOR,	MICRO	330	5%
1-408-428-00	s	INDUCTOR,	MICRO	390	5%
		•			
1-408-429-00	s	INDUCTOR,	MICRO	470	5%
1-410-116-11	s	INDUCTOR,	MICRO	560	5%
1-410-492-11	s	INDUCTOR,	MICRO	680	5%
1-410-493-11	s	INDUCTOR,	MICRO	820	5%
1-410-494-11	s	INDUCTOR,	MICRO	1000	5%

Parts No. SP Description

RESISTOR, CAR	NOF					
REDIGION, OHIO						
1 260-201-11	_	RES,	CADRON	1.0	5%	1/6W
1-249-381-11	8		CARBON			
1-249-382-11	8	RES,	CARBON	1.2	5%	1/6W
1-249-383-11	8	RES,	CARBON		5%	1/6W
1-249-384-11	8	RES,	CARBON	1.8	5%	1/6W
1-249-385-11	s	RES,	CARBON	2.2	5%	1/6W
1-249-386-11	8	RES,	CARBON	2.7	5%	1/6W
1-249-387-11	8	RES,	CARBON	3.3	5%	1/6W
1-249-388-11	8	RES,	CARBON	3.9	5%	1/6W
1-249-389-11	8	RES,	CARBON	4.7	5%	1/6W
1-249-390-11	8	RES,	CARBON	5.6	57	1/6W
1-249-391-11	s	RES,	CARBON	6.8	5%	1/6W
1-249-392-11	8	RES,	CARBON	8.2	5%	1/6W
1-249-393-11	8	RES,	CARBON	10	5%	1/6W
1-249-394-11	8	RES,	CARBON	12	5%	1/6W
1-249-395-11	8	RES,	CARBON	15	5%	1/6W
1 247 377 11	•	кдо,	OLLK DOLL	• -	-	2,011
1-2/0-306-11		DFC	CARRON	18	5%	1/6W
1-249-396-11	8	RES,	CARBON			
1-249-397-11	8	RES,	CARBON	22	5%	1/6W
1-249-398-11	8	RES,	CARBON	27	5%	1/6W
1-249-399-11	8	RES,	CARBON	33	5%	1/6W
1-249-400-11	8	RES,	CARBON	39	5%	1/6W
1-249-401-11	8	RES,	CARBON	47	5%	1/6W
1-249-402-11	8	RES,	CARBON	56	57	1/6W
1-249-403-11	8	RES,	CARBON	68	5%	1/6W
1-249-404-11	8	RES,	CARBON	82	5%	1/6W
1-249-405-11	8	RES,	CARBON	100	5%	1/6W
1-249-406-11	8	RES,	CARBON	120	5%	1/6W
1-249-407-11	8	RES,	CARBON	150	5%	1/6W
1-249-408-11	8	RES,	CARBON	180	5%	1/6W
1-249-409-11	6	RES,	CARBON	220	5%	1/6W
1-249-410-11				270		1/6W
1-245-410-11	8	RES,	CARBON	270	5%	1/0W
1 0/0 /11:11	_	D 72.0	CARRON	220		1/611
1-249-411-11	8	RES,	CARBON	330	5%	1/6W
1-249-412-11	8	RES,	CARBON	390	5%	1/6W
1-249-413-11	8	RES,	CARBON	470	5%	1/6W
1-249-414-11	8	RES,	CARBON	560	5%	1/6W
1-249-415-11	8	RES,	CARBON	680	5%	1/6W
1-249-416-11	8	RES,	CARBON	820	5%	1/6W
1-249-417-11	s	RES,	CARBON	1.0k	5%	1/6W
1-249-418-11	8	RES,	CARBON	1.2k	5%	1/6W
1-249-419-11	8	RES,	CARBON	1.5k	5%	1/6W
1-249-420-11	8	RES,	CARBON	1.8k	5%	1/6W
		,				
1-249-421-11	s	RES,	CARBON	2.2k	5%	1/6W
1-249-422-11	8	RES,	CARBON	2.7k	5%	1/6W
1-249-423-11	8	RES,	CARBON	3.3k	5%	1/6W
1-249-424-11	s	RES,	CARBON	3.9k	5%	1/6W
1-249-425-11	8		CARBON	4.7k	5%	1/6W
* *** 457-11	•	RES,	JANUA OH	7./K	14	1/UM
1-249-426-11		DEC	CARBON	5.6k	5%	1/613
	<b>8</b>	RES,				1/6W
1-249-427-11	8	RES,	CARBON	6.8k	5%	1/6W
1-249-428-11	8	RES,	CARBON	8.2k	5%	1/6W
1-249-429-11	8	RES,	CARBON	10k	5%	1/6W
1-249-430-11	8	RES,	CARBON	1 2k	5%	1/6W
1-249-431-11	8	RES,	CARBON	15k	5%	1/6W
1-249-432-11	S	RES,	CARBON	18k	5%	1/6W
1-249-433-11	8	RES,	CARBON	22k	5%	1/6W
1-249-434-11	8	RES,	CARBON	27k	5%	1/6W
1-249-435-11	s	RES,	CARBON	33k	5%	1/6W
	-	,			- /-	.,
1-249-436-11	s	RES,	CARBON	39k	5%	1/6W
1-249-437-11	8	RES,	CARBON	47k	5%	1/6W
1-249-438-11		RES,	CARBON	56k	5%	1/6W
1-249-439-11	S					
1-249-440-11	8	RES,	CARBON	68k	5%	1/6W
1-247-440-11	s	RES,	CARBON	82k	5%	1/6W
1-2/0-//1 11	_	0.00	CADRON	1001	c=	1/60
1-249-441-11	8	RES,	CARBON	100k	5%	1/6W

Parts	Nο	Q P	Dρ	scri	ption
raits	NO.	ər	νe	PCLI	beron

RESISTOR, CHI	<u> </u>					
1-216-295-00	s	RES,	CHIP	0	5%	1/10W
1-216-298-00	8	RES,	CHIP	2.2	5%	1/10W
1-216-302-00	8	RES,	CHIP	2.7	5%	1/10W
1-216-304-00		RES,	CHIP	3.3	5%	1/10W
	8	RES,		3.9	5%	1/10W
1-216-306-00	8	KES,	CHIP	3.7	26	1/10W
1-216-308-00	_	RES,	CHIP	4.7	5%	1/10W
1-216-309-00	S	-	CHIP	5.6	5%	1/10W
	8	RES,		6.8	5%	1/10W
1-216-311-00	8	RES,	CHIP		5%	1/10W
1-216-313-00	8	RES,	CHIP	8.2		1/10W
1-216-001-00	8	RES,	CHIP	10	5%	1/10W
1-216-003-00		RES,	CHIP	12	5%	1/10W
1-216-005-00	8	RES,	CHIP	15	5%	1/10W
	8	RES,	CHIP	18	5%	1/10W
1-216-007-00	8		CHIP	22	5%	1/10W
1-216-009-00	8	RES,			5%	1/10W
1-216-011-00	8	RES,	CHIP	27	24	1/10W
1-216-013-00	s	RES,	CHIP	33	5%	1/10W
1-216-015-00		RES,	CHIP	39	5%	1/10W
	8			47	5%	1/10W
1-216-017-00	8	RES,	CHIP	56	5%	1/10W
1-216-019-00	8	RES,	CHIP		5%	1/10W
1-216-021-00	s	RES,	CHIP	68	۸,	1/10#
1-216-023-00	8	RES,	CHIP	82	5%	1/10W
1-216-025-00	8	RES,	CHIP	100	5%	1/10W
1-216-027-00	8	RES,	CHIP	120	5%	1/10W
1-216-029-00	8	RES,	CHIP	150	5%	1/10W
1-216-031-00		RES,	CHIP	180	5%	1/10W
1-210-031-00	s	KLD,	011 # 1	100	2.0	1,10
1-216-033-00	8	RES,	CHIP	220	5%	1/10W
1-216-035-00	8	RES,	CHIP	270	5%	1/10W
1-216-037-00	8	RES,	CHIP	330	5%	1/10W
1-216-039-00		RES,	CHIP	390	5%	1/10W
1-216-041-00	8	RES,	CHIP	470	5%	1/10W
1-210-041-00		KED,	OHLLI	4,0	,,,	1,10"
1-216-043-00	8	RES,	CHIP	560	5%	1/10W
1-216-045-00	8	RES,	CHIP	680	5%	1/10W
1-216-047-00	8	RES,	CHIP	820	5%	1/10W
1-216-049-00	8	RES,	CHIP	lk	5%	1/10W
1-216-051-00	8	RES,	CHIP	1.2k	5%	1/10W
		•				
1-216-053-00	8	RES,	CHIP	1.5k	5%	1/10W
1-216-055-00	8	RES,	CHIP	1.8k	5%	1/10W
1-216-057-00	8	RES,	CHIP	2.2k	5%	1/10W
1-216-059-00	8	RES,	CHIP	2.7k	5%	1/10W
1-216-061-00	s	RES,	CHIP	3.3k	5%	1/10W
1-216-063-00	8	RES,	CHIP	3.9k	5%	1/10W
1-216-065-00	8	RES,	CHIP	4.7k	5%	1/10W
1-216-067-00	8	RES,	CHIP	5.6k	5%	1/10W
1-216-069-00	8	RES,	CHIP	6.8k	5%	1/10W
1-216-071-00	s	RES,	CHIP	8.2k	5%	1/10W
1 414 ::			<b></b>	100		1/200
1-216-073-00	8	RES,	CHIP	10k	5%	1/10W
1-216-075-00	8	RES,	CHIP	12k	5%	1/10W
1-216-077-00	8	RES,	CHIP	15k	5%	1/10W
1-216-079-00	8	RES,	CHIP	18k	5%	1/10W
1-216-081-00	8	RES,	CHIP	22k	5%	1/10W
1-216 002 00		DEC	OU TO	271	59	1/109
1-216-083-00	8	RES,	CHIP	27k	5%	1/10W
1-216-085-00	8	RES,	CHIP	33k	5%	1/10W
1-216-087-00	8	RES,	CHIP	39k	5%	1/10W
1-216-089-00	8	RES,	CHIP	47k	5%	1/10W
1-216-091-00	8	RES,	CHIP	56 k	5%	1/10W

SP Description Parts No. 1-216-093-00 s RES, CHIP 68k 5% 1/10W 1-216-095-00 s RES, CHIP 82k 5% 1/10W 1-216-097-00 s RES, CHIP 100k 5% 1/10W 1-216-099-00 s RES, CHIP 120k 5% 1/10W 1-216-101-00 s RES, CHIP 150k 5% 1/10W 1-216-103-00 s RES, CHIP 180k 5% 1/10W s RES, CHIP 220k 5% 1/10W s RES, CHIP 270k 5% 1/10W s RES, CHIP 330k 5% 1/10W s RES, CHIP 390k 5% 1/10W 1-216-105-00 1-216-107-00 1-216-109-00 1-216-111-00 1-216-113-00 s RES, CHIP 470k 5% 1/10W 1-216-115-00 s RES, CHIP 560k 5% 1/10W 1-216-119-00 s RES, CHIP 680k 5% 1/10W 1-216-119-00 s RES, CHIP 820k 5% 1/10W 1-216-121-00 s RES, CHIP 1.0M 5% 1/10W 1-216-123-00 s RES, CHIP 1.2M 5% 1/10W 1-216-125-00 s RES, CHIP 1.5M 5% 1/10W 1-216-127-00 s RES, CHIP 1.8M 5% 1/10W 1-216-129-00 s RES, CHIP 2.2M 5% 1/10W 1-216-131-00 s RES, CHIP 2.7M 5% 1/10W 1-216-133-00 s RES, CHIP 3.3M 5% 1/10W

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Parts No.
                                                                             SP Description
Parts No. SP Description
                                                                  1-215-433-00 8 RES, METAL 3.3k 1% 1/6W
1-215-434-00 8 RES, METAL 3.6k 1% 1/6W
1-215-435-00 8 RES, METAL 3.9k 1% 1/6W
RESISTOR, METAL
1-215-373-31 s RES, METAL 10
                                 1% 1/6W
                                  1% 1/6W
                                                                   1-215-436-00
                                                                                s RES, METAL 4.3k 1% 1/6W
             s RES, METAL 11
1-215-374-00
1-215-375-00
                RES, METAL 12
                                  1% 1/6W
                                                                  1-215-437-00 s RES, METAL 4.7k 1% 1/6W
             s
             s RES, METAL 13
                                  12 1/6W
1-215-376-00
                                                                  1-215-438-00 s RES, METAL 5.1k 1% 1/6W
                                  12 1/6W
1-215-377-00
             s RES, METAL
                            15
                                                                  1-215-439-00 s RES, METAL 5.6k 1% 1/6W
                                                                   1-215-440-00
                                                                               s RES, METAL 6.2k 1% 1/6W
1-215-378-00
             s RES, METAL 16
                                  1% 1/6W
              s RES, METAL 18
                                  1% 1/6W
                                                                  1-215-441-00 s RES, METAL 6.8k 1% 1/6W
1-215-379-00
1-215-380-00
              s RES, METAL 20
                                  1% 1/6W
                                                                  1-215-442-00 s RES, METAL 7.5k 1% 1/6W
                                  1% 1/6W
1-215-381-00
              s RES, METAL 22
                                                                  1-215-443-00 s
                                                                                   RES, METAL 8.2k 1% 1/6W
                                  1% 1/6W
1-215-382-00
              s RES. METAL
                                                                  1-215-444-00 s RES, METAL 9.1k 1% 1/6W
                                  1% 1/6W
1-215-383-00
                 RES, METAL 27
                                                                  1-215-445-00 s RES, METAL 10k 1% 1/6W
                                                                                s RES, METAL 11k 1% 1/6W
                                                                  1-215-446-00
1-215-384-00
              s RES, METAL
                            30
                                  1% 1/6W
              s RES, METAL
                             33
                                  1% 1/6W
                                                                  1-215-447-00
                                                                                   RES, METAL 12k
1-215-385-00
1-215-386-00
              s RES, METAL
                                  1% 1/6W
                                                                  1-215-448-00 s RES, METAL 13k 1% 1/6W
1-215-387-00
              s RES, METAL
                             39
                                  1% 1/6W
                                                                  1-215-449-00 s RES, METAL 15k
                                                                                                   1% 1/6W
                                                                  1-215-450-00
                                                                                   RES, METAL 16k
                                                                                                    1% 1/6W
                 RES, METAL
                                  1% 1/6W
1-215-388-00
              8
                                                                                8
              s RES, METAL
s RES, METAL
                             47
                                  1% 1/6W
                                                                  1-215-451-00
                                                                                   RES, METAL 18k
1-215-389-00
1-215-390-00
                                  17 1/6W
                                                                                   RES, METAL 20k
                                                                  1-215-452-00
                                                                                                    1% 1/6W
              s RES, METAL
                             56
                                  1% 1/6W
1-215-391-00
                                                                                   RES. METAL 22k
                                                                                                    1% 1/6W
                                                                  1-215-453-00 s
              s RES, METAL
                             62
                                  1% 1/6W
1-215-392-00
                                                                  1-215-454-00
                                                                                   RES, METAL 24k
                                                                                                    1% 1/6W
                                                                                8
                                                                                   RES, METAL 27k
                                                                                                    1% 1/6W
             s RES, METAL
                                  1% 1/6W
                                                                   1-215-455-00
                                                                                8
                             68
1-215-393-00
                                                                   1-215-456-00
                                                                                s RES, METAL 30k
                                                                                                    1% 1/6W
             s RES, METAL
                             75
                                  1% 1/6W
1-215-394-00
             s RES, METAL
                             82
                                  1% 1/6W
                                                                  1-215-457-00
                                                                                s RES, METAL 33k
                                                                                                    1% 1/6W
1-215-395-00
                                  1% 1/6W
1-215-396-00
              s RES, METAL
                             91
                                                                  1-215-458-00 s RES, METAL 36k
                                                                                                    1% 1/6W
                             100
1-215-397-00
              s. RES, METAL
                                  1% 1/6W
                                                                   1-215-459-00 s RES, METAL 39k
                                                                                                    1% 1/6W
             s RES, METAL
                             110
                                 1% 1/6W
                                                                   1-215-460-00
                                                                                s RES, METAL 43k
                                                                                                    1% 1/6W
1-215-398-00
             s RES, METAL 120 1% 1/6W
s RES, METAL 130 1% 1/6W
1-215-399-00 s RES, METAL
                                                                   1-215-461-00
                                                                                   RES, METAL
                                                                                               47k
                                                                                                    1% 1/6W
1-215-400-00
                                                                   1-215-462-00 s RES, METAL 51k
                                                                                                    1% 1/6W
              s RES, METAL
                                  1% 1/6W
                             150
1-215-401-00
                                                                   1-215-463-00 s
             s RES. METAL
                                  1% 1/6W
                                                                                   RES, METAL
                                                                                               56k
1-215-402-00
                                                                   1-215-464-00 s
                                                                                   RES, METAL 62k
                                                                                                    1% 1/6W
                                 12 1/6W
1-215-403-00 s RES, METAL
                             180
                                                                   1-215-465-00
                                                                                   RES, METAL 68k
                                                                                                    1% 1/6W
                                 1% 1/6W
1% 1/6W
1-215-404-00 s RES, METAL
                             200
                                                                   1-215-466-00
                                                                                8
                                                                                   RES, METAL
                                                                                               75k
                                                                                                    1% 1/6W
             s RES, METAL
                             220
                                                                                                    1% 1/6W
1-215-405-00
                                                                   1-215-467-00
                                                                                s RES, METAL
                                                                                               82k
                             240
                                  1% 1/6W
1-215-406-00
             s RES, METAL
                                 1% 1/6W
             s RES, METAL
                                                                   1-215-468-00 s RES, METAL
                                                                                               91k 1% 1/6W
                             270
                                                                   1-215-469-00 s RES, METAL 100k 1% 1/6W
                                                                   1-215-470-00
                                                                                s RES, METAL 110k 1% 1/6W
1-215-408-00 s RES, METAL 300
                                 1% 1/6W
                                                                                               120k 1% 1/6W
                                                                   1-215-471-00
                                                                                8
                                                                                   RES, METAL
1-215-409-00 s RES, METAL
                             330
                                 1% 1/6W
1-215-410-00 s RES, METAL
                             360
                                 1% 1/6W
                                                                   1-215-472-00 s RES, METAL 130k 1% 1/6W
 1-215-411-00
                RES, METAL
                             390 1% 1/6W
             8
                                                                                   RES, METAL 150k 1% 1/6W
RES, METAL 160k 1% 1/6W
                                                                   1-215-473-00 s
1-215-412-00
             s RES, METAL
                             430
                                 1% 1/6W
                                                                   1-215-474-00 s
                                                                   1-215-475-00
                                                                                   RES, METAL
                                                                                               180k 1% 1/6W
1-215-413-00 s RES, METAL
                             470
                             510
                                 1% 1/6W
                                                                   1-215-476-00
                                                                                s RES, METAL
                                                                                               200k 1% 1/6W
1-215-414-00
             s RES, METAL
1-215-415-00
              s RES, METAL 560 1% 1/6W
                                                                   1-215-477-00 s RES, METAL 220k 1% 1/6W
                                 1% 1/6W
1-215-416-00
             s RES, METAL
                             620
                                 1% 1/6W
1-215-417-00 s RES, METAL 680
                                                                   1-215-478-00 s RES, METAL 240k 1% 1/6W
                                                                   1-215-479-00
                                                                                               270k 1% 1/6W
                                                                               s RES, METAL
                 RES, METAL
                             750 1% 1/6W
                                                                   1-215-480-00 s RES, METAL 300k 1% 1/6W
1-215-418-00 s
1-215-419-00 s RES, METAL 820 1% 1/6W
1-215-420-00 s RES, METAL 910 1% 1/6W
                                                                   1-215-481-00 s RES, METAL
                                                                                               330k 1% 1/6W
                 RES, METAL
                                                                   1-215-482-00 s RES, METAL 360k 1% 1/6W
 1-215-421-00
                 RES, METAL
                             1.0k 1% 1/6W
             s
                 RES, METAL
                             1.1k 1% 1/6W
                                                                   1-215-483-00 s RES, METAL
                                                                                               390k 1% 1/6W
                                                                   1-215-484-00 s RES, METAL
                                                                                               430k 1% 1/6W
                 RES, METAL 1.2k 1% 1/6W
1-215-423-00 s
                                                                   1-215-485-00 s RES, METAL 470k 1% 1/6W
                 RES, METAL
                            1.3k 1% 1/6W
                                                                  1-215-486-00 s RES, METAL
1-215-487-00 s RES, METAL
1-215-424-00 s
                                                                                               510k 1% 1/6W
                 RES, METAL 1.5k 1% 1/6W
                                                                                               560k 1% 1/6W
 1-215-425-00 s
 1-215-426-00 s
                 RES, METAL
                             1.6k 1% 1/6W
                                                                               s RES, METAL 620k 1% 1/6W
1-215-427-00 s RES, METAL 1.8k 1% 1/6W
                                                                   1-215-488-00
                                                                  1-215-489-00 s RES, METAL 680k 1% 1/6W
                                                                   1-215-490-00
                                                                                s RES, METAL 750k 1% 1/6W
                 RES, METAL 2.0k 1% 1/6W
 1-215-428-00 s
                 RES, METAL 2.2k 1% 1/6W
                                                                                   RES, METAL
                                                                                               820k 1% 1/6W
 1-215-429-00 s
                                                                   1-215-491-00
                                                                                8
1-215-430-00 s
                 RES, METAL
                             2.4k 1% 1/6W
                                                                   1-215-492-00 s RES, METAL 910k 1% 1/6W
1-215-431-00 s RES, METAL 2.7k 1% 1/6W
 1-215-432-00 s RES, METAL 3.0k 1% 1/6W
                                                                  1-215-493-00 s RES, METAL 1.0M 1% 1/6W
```

Ref.No. Parts No. SP Description

## 3) AC-81 BOARD

1-622-608-12 o PRINTED CIRCUIT BOARD, AC-81

<b>A</b> C1	1-136-185-00 s	FILM	0.22	20%	250 V
C2	1-161-742-00 s	CERAMIC	0.0022	20%	400V
C3	1-161-742-00 s				
C2 C3 C4	1-161-742-00 s	CERAMIC	0.0022	20%	400V

<b>A CN420</b>	1-564-241-00	0	4P
	1-562-285-11	0	4P HOUSING
	1-562-210-11	0	4P CONTACT
CN421	1-564-674-11	0	8 P
	1-562-640-11	0	8P HOUSING
	1-562-210-11	0	8P CONTACT

R1 1-214-937-00 s CARBON 1M 5% 1/2W

#### 4) AC-96 BOARD

1-628-132-12 o PRINTED CIRCUIT BOARD, AC-96

<b>A</b> C1	1-136-185-00	FIL	.M	0.22	20%	250 V
<b>∆</b> C1 C2	1-161-742-00	CER	AMIC	0.0022	20%	400V
C3	1-161-742-00	CER	AMIC	0.0022	20%	400 V
C4	1-161-742-00	CER	AMIC	0.0022	20%	400V
200000000000000000000000000000000000000						

88					
8	<b>ACN420</b>	1-564-241-00	0	4P	
8		1-562-285-11	0	4P	HOUSING
8		1-562-210-11	0	4P	CONTACT
8	CN421	1-564-674-11	0	8 P	
8		1-562-640-11	0	8 P	HOUSING
8		1-562-210-11	0	8 P	CONTACT

R1 1-214-937-00 s CARBON 1M 5% 1/2W

Ref.No. Parts No. SP Description

## AFM-1A BOARD

This board includes the FL-61 board.

	A-6713-914-A	0	MOUNTED	CIRCUIT	BOARD	AFM-1A
C2	1-163-033-00	8	CERAMIC	0.022		50W
C4	1-163-033-00	8	CERAMIC			50 V
C9	1-163-033-00			0.022		50 V
		8	CERAMIC	0.022	A0 W	50 V
C15	1-124-463-00	8	ELECT	0.1	20%	50 V
C17	1-163-033-00	8	CERAMIC	0.022		50 V
C21	1-163-033-00	8	CERAMIC	0.022	00*	50 V
C27	1-124-463-00	8	ELECT	0.1	20%	50 V
C29	1-163-033-00 1-163-033-00	8	CERAMIC	0.022		50 V
C103 C113	1-123-369-00	8	CERAMIC ELECT	0.022 4.7	20%	50 V 25 V
0113	1 123 307 00	٠	BHHOL	7.7	20%	234
C114	1-163-033-00	8	CERAMIC	0.022		50 V
C115	1-163-135-00	8	CERAMIC	560pF	5%	50 V
C116	1-124-499-11	8	ELECT	1	20%	50 V
C119	1-163-033-00	8	CERAMIC	0.022		50V
C125	1-124-462-00	8	ELECT	10	20%	16 V
C130	1-123-369-00	8	ELECT	4.7	20%	25V
C131	1-163-135-00	8	CERAMIC	560pF	5%	50 V
C132	1-124-499-11	8	ELECT	1	20%	50 V
C136	1-163-033-00	8	CERAMIC	0.022		50 V
C137	1-124-899-00	8	ELECT	22	20%	25V
C141	1-163-033-00	8	CERAMIC	0.022		50V
C203	1-163-033-00	8	CERAMIC	0.022		50 V
C213	1-123-369-00	8	ELECT	4.7	20%	25 <b>V</b>
C214	1-163-033-00	8	CERAMIC	0.022		50 V
C215	1-163-135-00	8	CERAMIC	560pF	5%	50 V
C216	1-124-499-11	8	ELECT	1	20%	50V
C219	1-163-033-00	8	CERAMIC	0.022		50 V
C225	1-124-462-00	8	ELECT	10	20%	16 V
C230	1-123-369-00	8	ELECT	4.7	20%	25V
C231	1-163-135-00	8	CERAMIC	56 OpF	5%	50 V
C232	1-124-499-11	8	ELECT	1	20%	50V
C235	1-124-899-00	8	ELECT	22	20%	25V
C237	1-163-033-00	8	CERAMIC	0.022		50 V
C302	1-163-033-00	8	CERAMIC	0.022		50V
C304	1-163-037-11	8	CERAMIC	0.022		25V
C311	1-163-033-00	8	CERAMIC	0.022		50 V
C313	1-163-033-00	8	CERAMIC	0.022		50 V
C316	1-124-638-11	8	ELECT	22	20%	10V
C323	1-124-899-00	8	ELECT	22	20%	25V
C402	1-163-033-00	8	CERAMIC	0.022		50 V
C404	1-163-033-00	8	CERAMIC	0.022		50 V
C411	1-163-033-00	8	CERAMIC	0.022		50 V
C413	1-163-033-00	8	CERAMIC	0.022		50 V
C416	1-124-638-11	8	ELECT	22	20%	10V
C423	1-124-899-00	8	ELECT	22 .	20%	25V
C511	1-131-370-00	8	TANTAL	6.8	10%	10V
C514	1-131-343-00	8	TANTAL	0.22	10%	35V
C515	1-163-033-00	8	CERAMIC	0.022		50 V
C528	1-131-370-00	8	TANTAL	6.8	10%	10V
C701	1-126-103-11	8	ELECT	470	20%	16 V
C702	1-163-033-00	8	CERAMIC	0.022		50 V
C706	1-126-103-11	8	ELECT	470	20%	16 V
C707	1-163-037-11	s	CERAMIC	0.022	10%	25V
C708	1-126-103-11	8	ELECT	470	20%	16 V
C709	1-163-033-00	8	CERAMIC	0.022		50 V

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Ref. No. Parts No. SP Description
  Ref. No. Parts No. SP Description
                                                                           1-410-482-31 s MICRO 100
         1-126-103-11 s ELECT
                                    470
                                           20%
                                                 16 V
                                                                   Ll
  C713
         1-163-037-11 s CERAMIC 0.022 10%
                                                 25V
                                                                           1-410-482-31 s
                                                                                            MICRO 100
                                                  50 V
                                                                           1-410-482-31 s
         1-163-033-00 s CERAMIC 0.022
                                                                    L3
                                                                                           MICRO 100
  C725
         1-163-033-00 s CERAMIC 0.022
                                                  50 V
                                                                           1-410-482-31 s MICRO 100
  C728
         1-163-033-00 s CERAMIC 0.022
                                                  50 V
                                                                   L101
                                                                          1-410-482-31 s MICRO 100
  C729
                                                  25V
                                                                    L102
                                                                           1-410-064-11 s
         1-124-899-00
                        s ELECT
  C902
                                     22
                                            20%
                                                  25V
         1-124-899-00
                          ELECT
                                                                    L103
                                                                           1-410-064-11 s MICRO 2.7MMH
  C903
                                           20%
                                                  25V
         1-124-899-00
                        s ELECT
                                    22
                                                                    L104
                                                                           1-410-482-31 s MICRO 100
  C904
                                            20%
                                                  25V
                        s ELECT
                                                                           1-410-482-31 s MICRO 100
                                    22
  C905
         1-124-899-00
                                                                    1.201
                           CERAMIC 100pF
                                                  50 V
                                                                           1-410-064-11 s MICRO 2.7MMH
          1-102-106-00
  C907
                                                                    L202
         1-102-106-00 s CERAMIC 100pF 10%
                                                  50 V
                                                                           1-410-064-11 s MICRO 2.7MMH
  C908
                                                                    L203
                                                                    L701
                                                                           1-459-155-00 s 45 (WITH CORE)
                                                                    L702
                                                                           1-459-155-00 s 45 (WITH CORE)
3) CN202 1-506-748-31 s DIN 96P
4) CN202 1-506-748-11 s DIN 96P
                                                                           8-729-271-22 s 2SC2712-G
                                                                    Q2
                                                                           8-729-271-22 s
                                                                                            2SC2712-G
                                                                           8-729-271-22 s 2SC2712-G
                                                                    03
                           188123
          8-719-101-23 s
   D101
                                                                           8-729-271-22 s 2SC2712-G
                                                                    04
          8-719-101-23
                           188123
   D102
                                                                    Q304
                                                                           8-766-001-49
                        s 1SS123
          8-719-101-23
   D201
          8-719-101-23
                         s 1SS123
                                                                    0404
                                                                           8-766-001-49 s TX429M
   D901
          8-719-100-03 s 1S2835
                                                                    0701
                                                                           8-729-177-33 s 2SD773-4
                                                                           8-729-113-33 s 2SB733-4
                                                                    0702
          8-719-100-03 s 1S2835
   D902
                                                                    0705
                                                                           8-729-901-05 s DTA124EK
                                                                           8-729-901-05 s DTA124EK
                                                                    Q706
                                                                    0707
                                                                           8-729-901-05 s DTA124EK
          1-236-590-11 s LOW-PASS 1.0MRz
   FLI
                                                                           8-729-271-22 s
                                                                                            2SC2712-G
                                                                    0901
          1-236-590-11 s LOW-PASS 1.0MHz
   FL2
                                                                           8-729-271-22 s
                                                                                            2SC2712-G
                                                                    Q902
                         s BANDPASS 310kHz
          1-236-012-11
   FL3
                                                                    0903
                                                                           8-729-202-38
                                                                                            2SC3326N
                         s BANDPASS 540kHz
          1-236-013-11
   RT.4
                                                                    Q904
                                                                           8-729-202-38 s 2SC3326N
          1-236-013-11
                        s BANDPASS 540kHz
   FL5
          1-236-012-11 s BANDPASS 310kHz
1-236-003-11 s LOW-PASS
   FT.9
                                                                    R3
                                                                           1-216-649-11
                                                                                            METAL CHIP 820
                                                                                                              0.50%
                                                                           1-216-641-11 в
                                                                    R4
                                                                                            METAL CHIP 390
                                                                                                              0.50%
                                                                                                                    1/10W
                                                                           1-216-649-11 в
                                                                                                                     1/10W
                                                                    R8
                                                                                            METAL CHIP 820
                                                                                                             0.50%
                                                                                                              0.50%
                                                                                            METAL CHIP 390
                                                                           1-216-641-11 s
                                                                                                                     1/10W
          8-759-403-78 B AN3920K (MATSUSHITA)
   IC1
                                                                    R12
                                                                            1-216-679-11 s
                                                                                            METAL CHIP 15k
                                                                                                              0.50%
                                                                                                                     1/10W
          8-759-403-78 s AN3920K (MATSUSHITA)
8-759-403-77 s AN3922NK (MATSUSHITA)
   IC2
          8-759-403-77
   IC101
                         s AN3922NK (MATSUSHITA)
                                                                    R13
                                                                           1-216-685-11 s METAL CHIP 27k
                                                                                                              0.50%
                                                                                                                     1/10W
   IC102 8-759-403-77
                                                                           1-216-657-11 в
                                                                                                                     1/10W
                           TC4053BFHB (TOSHIBA)
                                                                                            METAL CHIP 1.8k 0.50%
          8-759-208-11
                                                                    R15
   IC103
                                                                           1-216-657-11 s
                                                                                            METAL CHIP 1.8k 0.50%
                                                                                                                     1/10W
                                                                    R16
                                                                            1-216-657-11 в
                                                                                            METAL CHIP 1.8k 0.50%
         8-759-700-84 s NJM2041M-D (JRC)
                                                                                                                     1/10W
   IC104
                                                                    R17
                         B AN3922NK (MATSUSHITA)
                                                                                             METAL CHIP 1.8k
          8-759-403-77
   TC201
                         s AN3922NK (MATSUSHITA)
          8-759-403-77
    IC202
           8-759-700-84
                         s NJM2041M-D (JRC)
                                                                    R20
                                                                           1-216-679-11 s
                                                                                            METAL CHIP 15k
                                                                                                              0.50%
                                                                                                                     1/10W
    IC303
                                                                           1-216-685-11 s
                         s NJM5532M (JRC)
                                                                    R21
                                                                                            METAL CHIP 27k
                                                                                                              0.50%
                                                                                                                     1/10W
    IC304
          8-759-700-94
                                                                    R23
                                                                           1-216-657-11 s
                                                                                            METAL CHIP 1.8k 0.50%
                                                                                                                     1/10W
          8-759-700-84 8 NJM2041M-D (JRC)
                                                                           1-216-657-11 s
                                                                                             METAL CHIP 1.8k 0.50%
    IC403
                                                                    R24
                                                                                                                     1/10W
           8-759-700-94
                         s NJM5532M (JRC)
                                                                            1-216-657-11 s
                                                                                            METAL CHIP 1.8k 0.50%
    IC404
                                                                    R25
          8-752-009-90
                            CX20099 (SONY)
    TC501
                         8
          8-759-200-68
                            TC4011BF (TOSHIBA)
                                                                                                              0.50%
                                                                                                                     1/10W
                         8
                                                                                            METAL CHIP 1.8k
                                                                    R26
                                                                           1-216-657-11 s
    IC701
          8-759-200-78
                         s TC4030BF (TOSHIBA)
                                                                    R101
                                                                           1-216-675-11 в
                                                                                             METAL CHIP 10k
                                                                                                                     1/10W
    IC702
                                                                                             METAL CHIP 2.2k 0.50%
                                                                    R103
                                                                           1-216-659-11
                                                                                                                     1/10W
                         s TC504013BF (TOSHIBA)
                                                                           1-216-675-11 s METAL CHIP 10k 0.50%
1-216-659-11 s METAL CHIP 2.2k 0.50%
          8-759-205-78
    TC703
                                                                    R108
                                                                                                                     1/10W
                            TC4538BF (TOSHIBA)
TC4538BF (TOSHIBA)
                                                                                                                     1/10W
          8-759-200-90
                        8
    IC704
                                                                    R110
          8-759-200-90
    10705
          8-759-200-67 s TC4001BF (TOSHIBA)
8-759-200-68 s TC4011BF (TOSHIBA)
                                                                                                                     1/10W
                                                                                                              0.50%
                                                                    R115
                                                                                             METAL CHIP 1.5k
    10706
                                                                            1-216-655-11 s
    10707
                                                                    R116
                                                                            1-216-655-11 s
                                                                                             METAL CHIP 1.5k
                                                                                                              0.50%
                                                                                                                     1/10W
                                                                            1-216-663-11 s
                                                                                             METAL CHIP 3.3k 0.50%
                                                                                                                     1/10W
                                                                    R120
    IC708 8-759-982-22 s RC78LO6A (RAYTHEON)
                                                                                             METAL CHIP 1.5k 0.50%
                                                                            1-216-655-11 s
                                                                                                                     1/10W
    IC710 8-759-982-05 s RC7805FA (RAYTHEON)
                                                                    R130
                                                                            1-216-644-11 s
                                                                                            METAL CHIP 510
                                                                                                                     1/10W
                                                                    R131
                                                                            1-216-644-11 s METAL CHIP 510
                                                                                                                     1/10W
                                                                                                              0.50%
                                                                    R201
                                                                            1-216-670-11 a
                                                                                             METAL CHIP 6.2k
                                                                                                             0.50%
                                                                                                                     1/10W
                                                                    R203
                                                                            1-216-659-11 s METAL CHIP 2.2k 0.50%
                                                                                                                     1/10W
                                                                                                                     1/10W
                                                                    R208
                                                                            1-216-670-11 s METAL CHIP 6.2k
                                                                                                              0.50%
                                                                    R210
                                                                            1-216-659-11 s METAL CHIP 2.2k
                                                                                                             0.50%
                                                                                                                     1/10W
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Ref.No. Parts No. SP D	Description		Ref.No.	. Parts No.	SP	Descript	ion		
R216 1-216-655-11 s M R220 1-216-663-11 s M R221 1-216-655-11 s M		1/10W 1/10W 1/10W	AU-1181	P BOARD A-6713-330-B	0	MOUNTED	CIRCUIT	BOAR	D, AU-118P
R324 1-216-671-11 s M R414 1-216-666-11 s M R423 1-216-664-11 s M	METAL CHIP 6.8k 0.50% METAL CHIP 4.3k 0.50% METAL CHIP 3.6k 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	C1 C2 C5 C6 C7	1-126-103-11 1-126-103-11 1-126-103-11 1-126-103-11 1-127-503-00	8 8	ELECT ELECT ELECT ELECT ELECT	470 470 470 470 470 0.33	20% 20% 20% 20%	16 V 16 V 16 V 16 V 25V
R504 1-216-661-11 s M R505 1-216-647-11 s M R506 1-216-659-11 s M	METAL CHIP 2.7k 0.50% METAL CHIP 680 0.50% METAL CHIP 2.2k 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	C8 C9 C10 C23 C24	1-127-503-00 1-127-503-00 1-127-503-00 1-124-236-00 1-124-236-00	8 8 8 8	ELECT ELECT ELECT ELECT ELECT	0.33 0.33 0.33 47 47	20% 20%	25V 25V 25V 16 V 16 V
R512 1-216-661-11 s M R513 1-216-663-11 s M	METAL CHIP 3.3k 0.50%		C112 C113 C117 C119 C120	1-124-598-11 1-124-462-00 1-124-462-00 1-124-236-00 1-124-236-00	8 8 8	ELECT ELECT ELECT ELECT ELECT	22 10 10 47 47	20% 20% 20% 20% 20% 20%	25V 16 V 16 V 16 V
R520 1-216-659-11 s M R521 1-216-647-11 s M R522 1-216-677-11 s M	TETAL CHIP 2.2k 0.50% TETAL CHIP 680 0.50% TETAL CHIP 12k 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	C124 C132 C151 C155 C157	1-124-236-00 1-124-462-00 1-124-462-00 1-124-234-00 1-124-234-00	8 8 8	ELECT ELECT ELECT ELECT	47 10 10 22 22	20% 20%	16 V 16 V 16 V 16 V
R525 1-216-663-11 s M R526 1-216-663-11 s M	METAL CHIP 3.3k 0.50% METAL CHIP 3.3k 0.50% METAL CHIP 5.6k 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	C174 C179	1-124-234-00 1-162-889-11 1-124-234-00 1-124-234-00 1-124-598-11	8 8 8	ELECT CERAMIC ELECT ELECT ELECT	22 680pF 22 22 22	20% 5% 20% 20% 20%	16 V 50 V 16 V 16 V 25 V
R708 1-216-692-11 s M R709 1-216-679-11 s M R718 1-216-682-11 s M R719 1-216-682-11 s M R721 1-216-682-11 s M	METAL CHIP 15k 0.50% METAL CHIP 20k 0.50% METAL CHIP 20k 0.50%	1/10W 1/10W 1/10W	C217 C219 C220	1-124-462-00 1-124-462-00 1-124-236-00 1-124-236-00 1-124-236-00	8 8 8	ELECT ELECT ELECT ELECT	10 10 47 47 47	20% 20% 20%	16 V 16 V 16 V 16 V 16 V
RV2 1-237-520-21 s V RV4 1-237-520-21 s V RV5 1-237-519-21 s V RV6 1-237-519-21 s V RV101 1-237-516-21 s V	VAR, CERMET 50k VAR, CERMET 20k VAR, CERMET 20k	۵	C251 C255 C257 C258	1-124-234-00	8 8 8	ELECT ELECT ELECT	10 10 22 22 22 22	20% 20% 20% 20%	16 V 16 V 16 V 16 V
RV102 1-237-517-21 s V RV103 1-237-516-21 s V RV105 1-237-519-21 s V RV201 1-237-516-21 s V	VAR, CERMET 5k VAR, CERMET 2k VAR, CERMET 20k VAR, CERMET 2k	3)	C274	1-506-748-31	8	ELECT	680pF 22	5% 20%	50 V 16 V
RV202 1-237-517-21 s V.  RV203 1-237-516-21 s V.  RV205 1-237-519-21 s V.	AR, CERMET 2k	4)	CN204	1-506-748-11	8	DIN 96P			
S1 1-571-259-11 s S	LIDE		D2	8-719-200-02 8-719-200-02 8-719-100-05	8	10E2			
			FL101	1-236-003-11	5	LOW-PASS	15kHz		
			IC2     IC101     IC102	8-759~708-05 8-759-700-65 8-759-145-58 8-759-145-58 8-741-115-20	s : s :	NJM79L05A NJM2043M-: uPC4558C	(JRC) D (JRC) (NEC)		

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Ref. No. Parts No. SP Description
Ref. No. Parts No. SP Description
                                                                          1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
                                                                   R185
IC104 8-759-700-94 8 NJM5532M (JRC)
                                                                          1-216-694-11 s METAL CHIP 62k
                                                                                                            0.50% 1/10W
                        uPC4558C (NEC)
                                                                   R188
IC105 8-759-145-58
                                                                          1-216-658-11 s
                                                                                           METAL CHIP 2k
                                                                                                             0.50% 1/10W
                                                                   R190
IC106 8-759-700-09
                     s NJM2043M-D (JRC)
                                                                                                                    1/8W
                                                                           1-216-294-00 s
                                                                                           CHIP
                                                                                                      10M
                                                                                                               5%
                     s uPC4558C (NEC)
                                                                   R191
IC201 8-759-145-58
                        uPC4558C (NEC)
                                                                   R192
                                                                          1-216-294-00 a
                                                                                           CHIP
                                                                                                       10M
                                                                                                                    1/8W
IC202 8-759-145-58
                                                                   R194
                                                                          1-216-675-11 s METAL CHIP 10k
                                                                                                             0.50% 1/10W
IC2O3 8-741-115-20 s
                        BX1152 (SONY)
                     s NJM5532M (JRC)
                                                                   R213
                                                                          1-216-675-11 s
                                                                                           METAL CHIP 10k
                                                                                                            0.50%
                                                                                                                   1/10W
IC204 8-759-700-94
                                                                                                            0.50%
                                                                   R214
                                                                          1-216-678-11 s
                                                                                           METAL CHIP 13k
                                                                                                                   1/10W
IC205 8-759-145-58
                        uPC4558 (NEC)
                     8
                        NJM2043M-D (JRC)
                                                                          1-216-691-11 s METAL CHIP 47k
IC206
      8-759-700-09
                                                                   R244
                                                                                                                    1/10W
                                                                          1-216-683-11 s METAL CHIP 22k
                                                                                                             0.50% 1/10W
                                                                   R245
                                                                          1-216-697-11 s
                                                                   R246
                                                                                           METAL CHIP 82k
                                                                                                             0.50%
                                                                                                                    1/10W
       1-459-155-00 s 45 (WITH CORE)
                                                                   R248
                                                                          1-216-683-11 a
                                                                                           METAL CHIP 22k
                                                                                                             0.50%
                                                                                                                    1/10W
L3
                                                                                                            0.50%
                                                                           1-216-699-11 s
                                                                                           METAL CHIP 100k
                                                                   R250
                                                                                                                    1/10W
                                                                           1-216-691-11 s
                                                                                           METAL CHIP 47k
                                                                                                             0.50%
                                                                   R253
                                                                           1-216-675-11 s
                                                                                           METAL CHIP 10k
                                                                                                             0.50%
                                                                                                                    1/10W
LV101 1-459-434-00 s VAR 22MMH
LV201 1-459-434-00 s VAR 22MMH
                                                                    R255
                                                                          1-216-683-11 s
                                                                                           METAL CHIP 22k
                                                                                                             0.50%
                                                                                                                    1/10W
                                                                   R257
                                                                           1-216-681-11 s
                                                                                           METAL CHIP 18k
                                                                                                             0.50%
                                                                                                                    1/10W
                                                                    R266
                                                                           1-216-698-11 s
                                                                                           METAL CHIP 91k
                                                                                                             0.50%
                                                                                                                   1/10W
                                                                    R267
                                                                           1-216-631-11 s METAL CHIP 150
                                                                                                             0.50%
                                                                                                                    1/10W
                                                                           1-216-633-11 s METAL CHIP 180
                                                                                                             0.50%
                                                                   R268
                                                                                                                    1/10W
       8-729-216-21 s 2SAI162-Y
       8-729-901-01 s DTC144EK
8-729-905-53 s 2SD1055-R
                                                                   R283
                                                                           1-216-667-11 s METAL CHIP 4.7k
                                                                                                             0.50%
                                                                                                                    1/10W
03
                                                                          1-216-699-11 s METAL CHIP 100k
1-216-694-11 s METAL CHIP 62k
       8-729-982-22 s
                         2SB822
                                                                   R285
                                                                                                            0.50%
                                                                                                                    1/10W
Q4
                                                                                                             0.50%
                                                                    R288
                                                                                                                    1/10W
Q5
       8-729-901-01 s DTC144EK
                                                                    R290
                                                                           1-216-658-11 s
                                                                                            METAL CHIP 2k
                                                                                                             0.50%
                                                                                                                    1/10W
                         DTA144EK
                                                                   R291
                                                                           1-216-294-00 s
                                                                                           CHIP
                                                                                                      10M
                                                                                                                5%
                                                                                                                     1/8W
       8-729-901-06
06
                        2 SC33 26 N
Q104
       8-729-202-38
                                                                    R292
                                                                           1-216-294-00 s CHIP
                                                                                                                     1/8W
                                                                                                       10M
Q115
       8-729-202-38 s 2SC3326N
                                                                           1-216-675-11 s METAL CHIP 10k
                                                                   R294
                                                                                                             0.50% 1/10W
                        2 SC33 26 N
Q116
       8-729-202-38
                     8
       8-729-202-38 s
                        2 SC 3 3 2 6 N
0117
       8-729-109-42 s 2SK94-X2
Q118
       8-729-901-01 s
8-729-202-38 s
                        DTC144EK
                                                                    RV110 1-237-522-21 s VAR, CERMET 200k
 Q119
                                                                    RV111 1-237-517-21 s
                                                                                           VAR, CERMET
0120
                         2 SC33 26 N
                                                                    RV112 1-237-518-21 s
                                                                                           VAR, CERMET
                                                                                                         10k
       8-729-202-38
 0204
                                                                    RV113 1-237-517-21 8
                                                                                           VAR, CERMET
       8-729-202-38 s 2SC3326N
                                                                                                         5k
                                                                    RV114 1-237-514-21 s
                                                                                           VAR, CERMET
       8-729-202-38
 0216
                     8
                                                                    RV210 1-237-522-21 s
                                                                                            VAR. CERMET
                                                                                                         200k
       8-729-202-38 s
                         2SC3326N
 0217
                                                                    RV211 1-237-517-21 s
                                                                                           VAR, CERMET
                                                                                                         5k
       8-729-109-42 s
                        2SK94-X2
 0218
                                                                    RV212 1-237-518-21 s
                                                                                           VAR, CERMET
                                                                                                         10k
                         DTC144EK
       8-729-901-01
 0219
                     8
                                                                    RV213 1-237-517-21 s
                                                                                           VAR, CERMET
       8-729-202-38
 0220
                                                                    RV214 1-237-514-21 8 VAR. CERMET
                                                                                                         500
       8-729-901-06 s DTA144EK
 0309
       8-729-901-06
                     s DTA144EK
 0310
       8-729-901-06 s DTA144EK
 Q311
                                                                           1-570-598-11 s DIP
1-570-598-11 s DIP
                                                                    S101
                                                                    S202
                        METAL CHIP 10k
                                          0.50% 1/10W
 R113
       1-216-675-11 s
       1-216-678-11 s
                        METAL CHIP 13k
                                          0.50% 1/10W
                                          0.50%
                                                 1/10W
                                                                    SP101 1-564-947-11 s PIN, SHORT
                         METAL CHIP 47k
 R144
        1-216-691-11 s
                         METAL CHIP 22k
                                                                    SP201 1-564-947-11 s PIN, SHORT
        1-216-683-11
 R145
                     8
        1-216-697-11 s
                        METAL CHIP 82k
                                          0.50%
                                                 1/10W
 R146
                        METAL CHIP 22k
                                          0.50%
 R148
       1-216-683-11
                        METAL CHIP 24k
                                          0.50%
                                                 1/10W
        1-216-684-11
 R150
       1-216-681-11 s
                        METAL CHIP 18k
                                          0.50% 1/10W
                                                                    BF-28A BOARD
        1-216-675-11 s METAL CHIP 10k
                                          0.50%
                                                 1/10W
 R153
        1-216-694-11 s METAL CHIP 51k
                                          0.50%
                                                 1/10W
 R155
                                                                           A-6713-916-A o MOUNTED CIRCUIT BOARD, BF-28A
                         METAL CHIP 18k
                                          0.50%
                                                 1/10W
 R157
        1-216-681-11 s
                                          0.50%
        1-216-698-11 s
                         METAL CHIP 91k
                                                 1/10W
 R166
        1-216-631-11 s METAL CHIP 150
                                          0.50%
                                                 1/10W
 R167
                                          0.50%
                                                                    C101
                                                                           1-124-236-00 s
        1-216-633-11 s
                         METAL CHIP 180
                                                 1/10W
                                                                                           ELECT
                                                                                                       20%
                                                                                                            100
 R168
                                          0.507
                         METAL CHIP 4.7k
                                                 1/10W
                                                                    C102
                                                                           1-124-236-00 s
                                                                                           ELECT
                                                                                                       20%
                                                                                                            10V
                                                                           1-124-236-00 s ELECT
                                                                                                   47
                                                                    C201
                                                                                                       20%
                                                                                                            10V
                                                                    C202
                                                                           1-124-236-00 s
                                                                                           ELECT
                                                                                                   47
                                                                                                       20%
                                                                                                            100
                                                                    C301
                                                                           1-124-236-00 B
                                                                                            ELECT
```

Ref.No	. Parts No.	SP	Description			Ref.No	. Parts No.	SP	Description		
C302	1-124-236-00	8	ELECT 47	20%	10V	IC702	8-759-981-54	8	RC2041MD (RAYTI	EON)	
C401	1-124-236-00	8	ELECT 47	20%	10V	IC703	8-759-745-64		NJM4560M (JRC)		
C402	1-124-236-00	8	ELECT 47	20%	107	IC801	8-759-981-54		RC2041MD (RAYTI		
C501	1-124-462-00	8	ELECT 10	20%	16 V	1C802 1C901	8-759-981-54 8-759-208-09		RC2041MD (RAYTI		
C502	1-124-257-11	8	ELECT 2.2	20%	50 V	10,01	0-733-200-03	8	TC4052BFHB (TO	onida)	
C503	1-124-257-11	8	ELECT 2.2	20%	50 V	10902	8-759-700-84	8	NJM2041M-D (JR	:)	
C505	1-124-462-00	8	ELECT 10	20%	16 V	IC903	8-759-200-78		TC4030BF (TOSH	BA)	
C506	1-135-100-21	8	TANTAL 6.8	20%	6.37	IC904	8-759-745-64	8	NJM4560M (JRC)		
C601 C602	1-124-462-00	8	ELECT 10	20%	16 V						
C002	1-124-257-11	8	ELECT 2.2	20%	50 V						
C603	1-124-257-11	8	ELECT 2.2	20%	50 V	Q501	8-729-202-38	8	2SC3326N		
C605	1-124-462-00	8	ELECT 10	20%	16 V	Q6 01	8-729-202-38	8	2 SC33 26 N		
C606	1-135-100-21	8	TANTAL 6.8	20%	6.3V	Q701	8-729-202-38		2SC3326N		
C701	1-124-462-00	8	ELECT 10	20%	16 V	Q801	8-729-202-38		2 SC33 26 N		
C702	1-124-257-11	8	ELECT 2.2	20%	50 V	Q901	8-729-905-53	8	2SD1055-R		
C703	1-124-257-11	8	ELECT 2.2	20%	50 V	Q902	8-729-982-23	8	2SB822		
C705	1-124-462-00	8	ELECT 10	20%	16 V	Q903	8-729-801-46	8	2SC3064-F		
C706	1-135-100-21	8	TANTAL 6.8	20%	6.3V						
C801	1-124-462-00		ELECT 10	20%	16 V						
C802	1-124-257-11	8	ELECT 2.2	20%	50 V	DEAR	1 216 696 11	_	WEEKLE ONED AND		. /
C803	1 106 057 11	_	מיש שוש	204	EOV	R503 R504	1-216-686-11	8	METAL CHIP 30k METAL CHIP 30k	0.50%	1/10W 1/10W
C805	1-124-257-11	8	ELECT 2.2 ELECT 10	20% 20%	50 V 16 V	R505	1-216-686-11		METAL CHIP 30k		1/10W
C806	1-135-100-21	8	TANTAL 6.8	20%	6.37	R506	1-216-679-11		METAL CHIP 15k	0.50%	1/10W
C901	1-124-236-00		ELECT 47	20%	107	R507	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
C902	1-124-236-00		ELECT 47	20%	100						
						R509	1-216-693-11	8	METAL CHIP 56k	0.50%	1/10W
C903	1-124-229-00		ELECT 33	20%	6.3V	R510	1-216-748-11	8	METAL 39k	5%	1/10W
C904	1-124-229-00		ELECT 33	20%	6.3V	R512 R513	1-216-685-11 1-216-689-11	8 8	METAL CHIP 27k METAL CHIP 39k	0.50%	1/10W
C905 C906	1-124-229-00 1-124-229-00	8	ELECT 33 ELECT 33	20% 20%	6.3V 6.3V	R516	1-216-677-11		METAL CHIP 12k	0.50%	1/10W 1/10W
0,00	1-124-229-00	•	ELECT JJ	20%	0.54		1 210 0,7 11	•	imine viili 12k	0.50%	1/10#
						R521	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
						R522	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D501	8-719-101-23		188123			R6 03	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D 50 2	8-719-101-23		188123			R604	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D503 D505	8-719-100-05		182837			R605	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D506	8-719-101-23 8-719-101-23	8	188123 188123			R6 06	1-216-679-11	8	METAL CHIP 15k	0.50%	1/10W
2300	0 717 101-23	•	100123			R6 0 7	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D601	8-719-101-23	8	188123			R609	1-216-693-11	8	METAL CHIP 56k	0.50%	1/10W
D602	8-719-101-23		188123			R610	1-216-748-11	8	METAL 39k	5%	1/10W
D6 03	8-719-100-05	8	182837			R612	1-216-685-11	8	METAL CHIP 27k	0.50%	1/10W
D605	8-719-101-23		188123			R613	1-216-690-11	_	WETAL OUTD 201	0 505	. /
D606	8-719-101-23	8	1SS123			R616	1-216-689-11 1-216-677-11	8	METAL CHIP 39k METAL CHIP 12k	0.50%	1/10W 1/10W
D701	8-719-101-23	8	188123			R6 21	1-216-675-11	8	METAL CHIP 10k	0.50%	1/10W
D702	8-719-101-23		188123			R6 2 2	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D703	8-719-100-05		182837			R703	1-216-686-11	8	METAL CHIP 30k	0.50%	1/10W
D705	8-719-101-23		188123								
D706	8-719-101-23	8	188123			R704	1-216-686-11	8	METAL CHIP 30k		1/10W
DOA:	0 710 155 55		100100			R705 R706	1-216-686-11 1-216-679-11	8	METAL CHIP 30k METAL CHIP 15k		1/10W
D801 D802	8-719-101-23		188123			R700	1-216-679-11	8	METAL CHIP 15k		
D802	8-719-101-23 8-719-100-05		1SS123 1S2837			R709	1-216-693-11		METAL CHIP 56k		1/10W
D805	8-719-101-23		188123					-	J JVR	5.50%	-,-0"
D806	8-719-101-23		188123			R710	1-216-748-11		METAL 39k	5%	1/10W
						R712	1-216-685-11		METAL CHIP 27k		1/10W
D901	8-719-100-03		182835			R713 R716	1-216-689-11	8	METAL CHIP 39k		1/10W
D902	8-719-101-23	8	188123			R7 21	1-216-677-11 1-216-675-11		METAL CHIP 12k METAL CHIP 10k		1/10W 1/10W
							5 220 075-11	•	OHIT IUK	0.00%	1/10W
						R7 22	1-216-686-11		METAL CHIP 30k	0.50%	1/10W
IC101			NJM2041M-D			R803	1-216-686-11		METAL CHIP 30k		1/10W
IC201	8-759-700-84		NJM2041M-D			R804	1-216-686-11		METAL CHIP 30k		
IC301	8-759-700-84		NJM2041M-D (			R805 R806	1-216-686-11 1-216-679-11		METAL CHIP 30k METAL CHIP 15k		
IC401 IC501	8-759-700-84 8-759-981-54		NJM2041M-D ( RC2041MD (RA		ואו	1.000	. 210°0/7-11	8	MIL THE CHIL TOK	0.30%	1/10W
	0-133-701-34	•	(RA		/	R807	1-216-686-11		METAL CHIP 30k		1/10W
IC502	8-759-981-54	8	RC2041MD (RA	YTHEC	N)	R809	1-216-693-11			0.50%	1/10W
IC503	8-759-745-64	8	NJM4560M (JE	(C)		R810	1-216-748-11	8	METAL 39k		1/10W
IC601	8-759-981-54		RC2041MD (RA			R812 R813	1-216-685-11		METAL CHIP 27k	0.50%	1/10W
IC602	8-759-981-54		RC2041MD (RA			CION	1-410-009-11	8	METAL CHIP 39k	0.50%	1/10M
IC701	8-139-981-54	8	RC2041MD (RA	TTHEC	N )						

# BF-28A, CCM-2, CL-14/24, CP-101AP/103AP

	Ref.No. Parts No. SP Description
Ref.No. Parts No. SP Description	<u> </u>
R816 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W R821 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W	CP-101AP BOARD
R822 1-216-686-11 s METAL CHIP 30k 0.50% 1/10W	A-6729-737-A o MOUNTED CIRCUIT BOARD, CP-101AP
R921 1-216-686-11 s METAL CHIP 30k 0.50% 1/10W R922 1-216-686-11 s METAL CHIP 30k 0.50% 1/10W	
R923 1-216-686-11 s METAL CHIP 30k 0.50% 1/10W	C4 1-124-584-00 s ELECT 100 20% 10V
R924 1-216-679-11 8 METAL CHIP 15k 0.50% 1/10W	C8 1-124-584-00 s ELECT 100 20% 10V C10 1-124-584-00 s ELECT 100 20% 10V
R925 1-216-686-11 s METAL CHIP 30k 0.50% 1/10W	C52 1-124-584-00 s ELECT 100 20% 10V
	C54 1-124-584-00 s ELECT 100 20% 10V
RV1 02 1-237-50 2-21 s VAR, CERMET 5k	
RV2O2 1-237-502-21 s VAR, CERMET 5k RV3O2 1-237-502-21 s VAR, CERMET 5k	FB3 1-535-178-00 s FERRITE BEAD
RV402 1-237-502-21 s VAR, CERMET 5k	FB4 1-535-178-00 s FERRITE BEAD FB6 1-535-178-00 s FERRITE BEAD
RV501 1-237-518-21 s VAR, CERMET 10k	IC2 8-752-015-81 s CX20158 (SONY)
RV601 1-237-518-21 s VAR, CERMET 10k	102 0-732-015-01 B 0x20150 (30x1)
RV701 1-237-518-21 s VAR, CERMET 10k RV801 1-237-518-21 s VAR, CERMET 10k	
RV901 1-237-519-21 s VAR, CERMET 20k RV902 1-237-517-21 s VAR, CERMET 5k	L1 1-410-482-31 s MICRO 100
	L2 1-410-482-31 s MICRO 100
RV903 1-237-518-21 s VAR, CERMET 10k	
	S2 1-570-157-51 s SLIDE
CCM-2 BOARD	
1-623-198-11 o PRINTED CIRCUIT BOARD, CCM-2	CP-103AP BOARD
1-023-170 II O IMINIED GENOUE BONNE, CON E	
	A-6717-486-A o MOUNTED CIRCUIT BOARD, CP-103AP
MOO8 1-541-376-11 s MOTOR, DC (DNR-4700A)	
	C1 1-124-234-00 s ELECT 22 20% 16V
	C3 1-124-234-00 s ELECT 22 20% 16 V
CL-14 BOARD	
	CN501 1-559-264-11 o WIRE ASS'Y, FLAT TYPE (30 CORE)
1-622-602-11 o PRINTED CIRCUIT BOARD, CL-14	
	IC1 8-759-208-11 s TC4053BFHB (TOSHIBA)
CN3 32 1-563-96 9-11 o 7P	101 0 737 100 11 0 1010332112 (10011211)
	L1 1-410-470-31 s MICRO 10 L2 1-410-470-31 s MICRO 10
CL-24 BOARD	
A-6724-835-A s MOUNTED CIRCUIT BOARD, CL-24	Q1 8-729-901-05 s DTC124EK
D1 8-719-820-27 s TLY256	RV1 1-237-696-11 s VAR, CARBON 5k
D2 8-719-820-27 s TLY256	RV2 1-237-696-11 s VAR, CARBON 5k RV3 1-237-696-11 s VAR, CARBON 5k
D3 8-719-820-27 s TLY256 D4 8-719-820-27 s TLY256	RV4 1-237-695-11 s VAR, CARBON 5k
D5 8-719-820-27 s TLY256	RV6 1-237-696-11 s VAR, CARBON 5k
D6 8-719-820-27 s TLY256	RV1 1-237-696-11 s VAR, CARBON 5k RV2 1-237-696-11 s VAR, CARBON 5k
	RV3 1-237-696-11 s VAR, CARBON 5k
D1 1 0/7 700 11 - GAPRON 150 59 1//**	RV4 1-237-695-11 s VAR, CARBON 5k RV6 1-237-696-11 s VAR, CARBON 5k
R1 1-247-702-11 s CARBON 150 5% 1/4W R2 1-247-702-11 s CARBON 150 5% 1/4W	
R3 1-247-702-11 s CARBON 150 5% 1/4W	RV7 1-237-695-11 s VAR, CARBON 5k RV8 1-237-696-11 s VAR, CARBON 5k

# :P-103AP/111

Ref.No	. Parts No.	SP	Descript	ion			Ref.No.	. Parts No.	SP	Descript	ion		
S1	1-570-157-51	_	OI THE				C6 59	1-124-462-00	_	PI POT	10	20%	16 17
S2	1-570-157-51 1-570-157-51						C660	1-124-462-00			10	20% 20%	16 V 16 V
83	1-570-157-51						C661	1-124-462-00			10	20%	16 V
84	1-570-157-51						C662	1-126-103-11			470	20%	16 V
S6	1-571-061-11						C663	1-126-103-11			470	20%	16 V
S9	1-570-157-51						C664	1-126-103-11		ELECT	470	20%	16 V
S10	1-570-157-51	8	SLIDE				C665	1-126-103-11	8	ELECT	470	20%	16 V
815	1-554-949-11	8	SLIDE				C666	1-102-106-00			100pF	10%	50V
							C667 C668	1-126-103-11			470	20%	16 V
							0000	1-136-161-00	8	MILAR	0.047	10%	50 V
							C669	1-126-103-11	8	ELECT	470	20%	16 V
							C670	1-136-161-00		MYLAR	0.047	10%	50V
CP-111	BOARD						C671	1-102-106-00	8	CERAMIC	100pF	10%	50 V
This b	oard includes	the	CP-113 b	oard.									
	A-6713-274-A	٥	MOUNTED	CIRCUIT	BOAR	D. CP-111	D1	8-719-100-43	8	RD7.5			
	· · · ·	-				_,	D2	8-719-100-43					
							D3	8-719-100-43					
							D151	8-719-921-11					
	1-561-832-00	8	SOCKET,	SHORT			D152	8-719-911-19		188119			
			•										
							D153	8-719-911-19		155119			
							D154	8-719-921-11					
C20	1-136-153-00		MYLAR	0.01	10%		D155 D156	8-719-921-11		HZ2ALL			
C21	1-126-157-11			10		16 V	D150	8-719-911-19 8-719-911-19		188119 188119			
C36 C42	1-124-462-00			10 47	20% 20%	16 V	215.	0 /17 /11-17	•	155117			
C43	1-124-236-00			47		16 V 16 V	D158	8-719-921-11	8	HZ2ALL			
	1 124 250 00	•	DDDCI	71	20%	10 7	D251	8-719-921-11					
C158	1-124-462-00	8	ELECT	10	20%	16 V	D252	8-719-911-19					
C159	1-124-462-00			10	20%	16 V	D253	8-719-911-19	8	188119			
C160	1-124-462-00	8	ELECT	10	20%	16 V	D254	8-719-921-11	8	HZ2ALL			
C161	1-124-462-00			10	20%	16 V	B455						
C162	1-126-103-11	8	ELECT	470	20%	16 V	D255 D256	8-719-921-11		HZ2ALL			
C16.2	1 100 100 11		P1 P0P	.70	005	14.	D250 D257	8-719-911-19 8-719-911-19		188119			
C163 C258	1-126-103-11 1-124-462-00			470 10	20% 20%	16 V 16 V	D258	8-719-921-11					
C259	1-124-462-00		ELECT	10		16 V	D259	8-719-200-02		10E2			
C260	1-124-462-00	8		10	20%	16 V							
C261	1-124-462-00	8	ELECT	10	20%	16 V	D260	8-719-200-02		10E2			
							D351	8-719-921-11		HZ2ALL			
C26 2	1-126-103-11		ELECT	470	20%	16 V	D352	8-719-911-19		188119			
C263 C264	1-126-103-11		ELECT	470 470		16 V	D353 D354	8-719-911-19 8-719-921-11		188119			
C26 5	1-126-103-11 1-126-103-11		ELECT ELECT	470 470	20% 20%	16 V 16 V	2334	0-719-921-11	•	HC ZALL			
C266	1-102-106-00			100pF		50 V	D355	8-719-921-11	8	HZ 2 ALL			
		-				30.	D356	8-719-911-19		188119			
C267	1-126-103-11	8	ELECT	470	20%	16 V	D357	8-719-911-19	8	188119			
C268	1-136-161-00	8	MYLAR	0.047	10%	50 V	D358	8-719-921-11		HZ2ALL			
C26 9	1-126-103-11			470	20%	16 V	D451	8-719-921-11	8	HZ2ALL			
C270	1-136-161-00			0.047	10%	50 V	D/52	9_710 011 10	_	100110			
C271	1-102-106-00	8	CERAMIC	100pF	10%	50 V	D452 D453	8-719-911-19		188119			
C273	1-124-46 2-00	8	ELECT	10	20%	16 V	D453	8-719-911-19 8-719-921-11		1SS119 HZ2ALL			
C358	1-124-462-00	8	ELECT	10	20%	16 V	D455	8-719-921-11		HZ2ALL			
C359	1-124-462-00	8	ELECT	10	20%	16 V	D456	8-719-911-19	8	188119			
C360	1-124-462-00	8	ELECT	10	20%	16 V	-	· ,,					
C361	1-124-462-00	8	ELECT	10	20%	16 V	D457	8-719-911-19	8	188119			
aa							D458	8-719-921-11		HZ2ALL			
C36 2	1-126-103-11	8	ELECT	470	20%	16 V	D551	8-719-921-11		HZ2ALL			
C363 C458	1-126-103-11	8	ELECT	470	20%	16 V	D552 D553	8-719-911-19		188119			
C459	1-124-462-00	8 8	ELECT ELECT	10 10	20% 20%	16 V 16 V	בננע	8-719-911-19	8	188119			
C46 0	1-124-462-00	8	ELECT	10		16 V	D554	8-719-921-11	8	HZ2ALL			
		-	·			•		8-719-921-11		HZ2ALL			
C46 1	1-124-462-00	8	ELECT	10	20%	16 V	D556	8-719-911-19		188119			
C46 2	1-126-103-11	8	ELECT	470	20%	16 V	D557	8-719-911-19	8	188119			
C463	1-126-103-11	s	ELECT	470	20%	16 V	D558	8-719-921-11	8	HZ2ALL			
C46 4	1-126-103-11	8	ELECT	470	20%	16 V	D6 51	9_710_001 11	_	117017			
C6 58	1-124-46 2-00	8	ELECT	10	20%	16 V	D651 D652	8-719-921-11		HZ2ALL			
								8-719-911-19 8-719-911-19		188119 188119			
								8-719-921-11		HZ2ALL			
								8-719-921-11		HZ2ALL			
							-	·	-				

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SP Description
                                                                     Ref. No. Parts No.
Ref. No. Parts No. SP Description
                                                                     Q6 59
                                                                            8-729-905-53 s 2SD1055-R
       8-719-911-19 s
                        188119
D6 56
                                                                            8-729-982-22
                                                                                             258822
D657
       8-719-911-19
                     8
                         188119
       8-719-971-11 s
                         HZ2ALL
D658
                                                                            1-247-887-00 s
                                                                     B30
                                                                                              CARRON
                                                                                                     220k
                                                                                                            52
                                                                                                               1/4W
                                                                                              CARBON
                                                                                                               1/4W
                                                                            1-247-887-00
                                                                                                      220k
                                                                                                            5%
                                                                     R40
                                                                                           8
       8-759-745-61 s
                         NJM4560D-D (JRC)
IC31
                                                                                                               1/4W
                                                                     R41
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                      220k
                                                                                                            5%
       8-759-208-12 s
                         TC4016 BPHB (TOSHIBA)
IC32
                                                                                                                1/4W
                                                                             1-247-887-00
                                                                                              CARBON
                                                                                                      220k
                        NJM4560D-D (JRC)
IC33
       8-759-745-61 s
                                                                     R43
                                                                             1-247-887-00
                                                                                              CARRON
                                                                                                      220k
                                                                                                             52
                                                                                                                1/4W
                         NJM4560D-D (JRC)
       8-759-745-61 s
IC34
                        NJM4560D-D (JRC)
       8-759-745-61 s
IC35
                                                                     R44
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                      220k
                                                                                                             5%
                                                                                                                1/4W
                                                                                                                1/4W
                                                                     R48
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                      220k
                                                                                                             5%
       8-759-208-12 s
                         TC4016 BPHB (TOSHIBA)
IC36
                                                                     R49
                                                                            1-247-887-00
                                                                                              CARRON
                                                                                                      220k
                                                                                                            52
                                                                                                               1/4W
IC37
       8-759-700-04 s
                         NJM2043D-D (JRC)
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                                1/4W
                                                                     R53
                                                                                           s
                                                                                                      220k
                                                                                                             52
                         TC4016 BPHB (TOSHIBA)
IC38
       8-759-208-12 a
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/4W
                                                                                                      220k
                                                                     R54
       8-759-700-04
                         NJM2043D-D (JRC)
IC39
                     8
                         NJM2043D-D (JRC)
       8-759-700-04 s
IC40
                                                                            1-247-887-00
                                                                     R55
                                                                                              CARBON
                                                                                                      220k
                                                                                                             5%
                                                                                                                1/4W
                                                                            1-247-887-00
                                                                     R57
                                                                                          8
                                                                                              CARBON
                                                                                                      220k
                                                                                                            5%
                                                                                                                1/4W
       8-759-982-21 s RC78L05A (RAYTHEON)
IC41
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                             5%
                                                                                                               1/4W
                                                                                                      220k
                                                                     R58
       8-759-208-12 s TC4016 BPHB (TOSHIBA)
TC42
                                                                            1-247-887-00
                                                                                              CARBON
                                                                                                      220k
                                                                                                             5%
                                                                     R68
                                                                             1-247-731-11
                                                                                              CARB ON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                                                                     R173
                                                                     R174
                                                                                                                1/2W
                                                                                              CARBON
                                                                                                             5%
                                                                            1-247-731-11
                                                                                                      22
        8-729-900-30 s DTA144EF
Q3 1
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                                                                     R175
        8-729-201-05
                         2SC2878-B
Q32
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                      22
                                                                                                             5% 1/2W
                                                                     R176
        8-729-900-30 s
                          DTA144EF
033
                                                                     R177
                                                                             1-249-455-11
                                                                                              CARBON
                                                                                                      4.7
                                                                                                             5%
                                                                                                                1/4W
        8-766-001-49
034
                                                                     R179
                                                                             1-249-455-11
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/4W
        8-729-900-33 s
                          DTC144EF
035
                                                                     R273
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
        8-729-900-33 s DTC144EF
036
                                                                     R274
                                                                            1-247-731-11
                                                                                           s
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
        8-729-900-30
                          DTA144EF
                                                                             1-247-731-11
                      8
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
037
                                                                     R275
        8-729-900-33 s DTC144EF
Q38
                                                                     R276
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/2W
                                                                                                      22
                                                                                                                1/4W
 0155
        8-729-306-92
                         2SD669A*(29)
                                                                      R277
                                                                             1-249-455-11
                                                                                              CARBON
                                                                                                             5%
 Q1 56
        8-729-304-92 s 2SB649A*(29)
                                                                     R279
                                                                             1-249-455-11 s
                                                                                              CARBON
                                                                                                      4.7
                                                                                                             5%
                                                                                                                1/4W
        8-729-306-92 s 2SD669A*(29)
                                                                     R284
                                                                             1-247-745-11
                                                                                              CARB ON
                                                                                                      330
                                                                                                             5%
                                                                                                                1/2W
01 57
        8-729-304-92 s
                         2SB649A*(29)
                                                                     R285
                                                                             1-247-745-11
                                                                                              CARBON
                                                                                                      330
                                                                                                             5%
                                                                                                                1/2W
 Q158
        8-729-306-92
                         2SD669A*(29)
                                                                     R373
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
 0255
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/2W
 Q2 56
        8-729-304-92
                       8
                         2SB649A*(29)
                                                                     R374
                                                                                                      22
                          2SD669A*(29)
        8-729-306-92
 Q2 57
                                                                             1-247-731-11 s
                                                                     R375
                                                                                              CARRON
                                                                                                      22
                                                                                                             52
                                                                                                                1/2W
                                                                             1-247-731-11 s
        8-729-304-92 s
                          2SB649A*(29)
                                                                     R376
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
 0258
                                                                     R377
                                                                             1-249-455-11 s
                                                                                              CARB ON
                                                                                                      4.7
                                                                                                             5%
                                                                                                                1/4W
 Q259
        8-729-905-53
                       s 2SD1055-R
                                                                                                                1/4W
                                                                             1-249-455-11
                       8 2SB822
                                                                     R379
                                                                                              CARB ON
                                                                                                             5%
 0260
        8-729-982-22
                                                                                                      22
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/2W
                          2SA1175
                                                                     R473
 0261
        8-729-117-54
        8-729-306-92
                          2SD669A*(29)
 0355
                                                                     R474
                                                                                                             5%
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                                1/2W
        8-729-304-92 s 2SB649A*(29)
                                                                     R475
                                                                             1-247-731-11 s
                                                                                              CARBON
                                                                                                                1/2W
 Q3 56
                                                                             1-247-731-11 s
                                                                     R476
                                                                                              CARB ON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                          2SD669A*(29)
 Q3 57
        8-729-306-92
                       8
        8-729-304-92
                          2SB649A*(29)
                                                                     R477
                                                                             1-249-455-11
                                                                                              CARRON
                                                                                                      4.7
                                                                                                             52
                                                                                                                1/4W
 03 58
                                                                             1-249-455-11
                                                                                              CARBON
                                                                                                                1/4W
                                                                     R479
                                                                                                             5%
 Q455
        8-729-306-92
                          2SD669A*(29)
        8-729-304-92
                         2SB649A*(29)
 0456
                                                                             1-247-745-11
                                                                     R484
                                                                                              CARBON
                                                                                                      330
                                                                                                             5%
                                                                                                                1/2W
                                                                     R485
                                                                             1-247-745-11
                                                                                              CARBON
                                                                                                      330
                                                                                                             5%
                                                                                                                1/2W
 Q4 57
        8-729-306-92 s 2SD669A*(29)
                                                                     R573
                                                                             1-247-731-11
                                                                                                             5%
                                                                                              CARBON
                                                                                                      22
                                                                                                                1/2W
                          2SB649A*(29)
 Q458
Q459
        8-729-304-92 s
                                                                             1-247-731-11
                                                                     R574
                                                                                              CARBON
                                                                                                                1/2W
        8-729-905-53
                          2SD1055-R
                                                                     R575
                                                                             1-247-731-11
                                                                                              CARRON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                          2SB822
 0460
        8-729-982-22
        8-729-306-92
                      8 2SD669A*(29)
                                                                     R576
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                                                                     R577
                                                                             1-249-455-11
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/4W
        8-729-304-92
                          2SB649A*(29)
 05 56
                      8
                                                                     R579
                                                                             1-249-455-11
                                                                                              CARBON
                                                                                                      4.7
                                                                                                             5%
                                                                                                                1/4W
        8-729-306-92
                       8
                          2SD669A*(29)
 05 57
                                                                     R673
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
        8-729-304-92
                       s 2SB649A*(29)
 Q5 58
                                                                             1-247-731-11
                                                                                              CARBON
                                                                                                             5%
                                                                     R674
                                                                                                                1/2W
        8-729-306-92
                       s 2SD669A*(29)
 Q4 57
        8-729-304-92 s 2SB649A*(29)
 Q458
                                                                     R675
                                                                             1-247-731-11 s
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                                                                             1-247-731-11
                                                                     R676
                                                                                              CARBON
                                                                                                      22
                                                                                                             5%
                                                                                                                1/2W
                          2SD1055-R
 Q4 59
        8-729-905-53
                                                                     R677
                                                                             1-249-455-11 s
                                                                                              CARBON
                                                                                                      4.7
                                                                                                                1/4W
                                                                                                             5%
 Q460
        8-729-982-22
                      8
                          2SB822
                                                                     R679
                                                                                              CARBON
                                                                                                             5%
                                                                                                                1/4W
                      s 2SD669A*(29)
        8-729-306-92
 0555
                                                                     R684
                                                                             1-247-745-11 s
                                                                                              CARBON
                                                                                                      330
                                                                                                             5%
                                                                                                                1/2W
                         2SB649A*(29)
        8-729-304-92
 05 56
                      8
        8-729-306-92 s
                          2SD669A*(29)
 05 57
                                                                     R685
                                                                            1-247-745-11 s CARBON 330
                                                                                                            5% 1/2W
 Q5 58
         8-729-304-92 B
                          2SB649A*(29)
 Q6 55
         8-729-306-92
                      8
                          2SD669A*(29)
                      s 2SB649A*(29)
         8-729-304-92
 Q6 56
         8-729-306-92
                      s 2SD669A*(29)
 06 57
         8-729-304-92 s 2SB649A*(29)
 06 58
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Ref.No	. Parts No. SP	Description	Ref.No	. Parts No.	SP	Descriptio	n		
D	1	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0007	1 100 000 11					
RV1 51		VAR, METAL GLAZE 4.7k	C207	1-126-394-11		ELECT CHIP		20%	16 V
RV251		VAR, METAL GLAZE 4.7k	C208	1-126-394-11		ELECT CHIP		20%	16 V
RV3 51		VAR, METAL GLAZE 4.7k	C209	1-126-394-11	8	ELECT CHIP	10	20%	16 V
RV451		VAR, METAL GLAZE 4.7k	C21 0	1-126-103-11	8	ELECT	470	20%	16 V
RV551	1-230-522-11 s	VAR, METAL GLAZE 4.7k	C211	1-126-103-11	8	ELECT	470	20%	16 V
RV6 51	1-230-522-11 #	VAR, METAL GLAZE 4.7k	C301	1-126-396-11	8	ELECT CHIP	. 47	20%	1677
110 31	1-250-522-11	VAR, FEIRE GERZE 4./K	C306	1-126-394-11					16 V
			C307	1-126-394-11				20%	16 V
			C308					20%	16 V
		•		1-126-394-11	8			207	16 V
			C309	1-126-394-11	8	ELECT CHIP	10	20%	16 V
CB-113	BOARD		C310	1-126-103-11		ELECT	470	20%	1617
01-113	BURKD		C311	1-126-103-11	8	ELECT	470	20%	16 V 16 V
411 +h		on the CP-113 board are supplied	C401	1-126-396-11				20%	
			C406	1-126-394-11		ELECT CHIP			16 V
Logern	er when you order	the CP-111 board.	C407	1-126-394-11				20%	16 V
	1 (00 570 11 -	DETAINED CINCULE BOARD OF 112	0407	1-120-394-11	8	ELECT CHIP	10	20%	16 V
	1-622-3/2-11	PRINTED CIRCUIT BOARD, CP-113	C408	1-126-394-11	_	#1 #0# OUTD	10	20.0	17.00
								20%	16 V
			C409	1-126-394-11		ELECT CHIP		20%	16 V
a			C410	1-126-103-11		ELECT	470	20%	16 V
CNI	1-566-099-11 o	BOARD TO BOARD 15P	C411	1-126-103-11	8	ELECT	470	20%	16 V
			C501	1-126-396-11	8	ELECT CHIP	47	20%	16 V
			C506	1 106 207 11	_	71 FGF 611 F			
D51	0 710 101 22 -	1 SS1 23		1-126-394-11				20%	16 V
			C507	1-126-394-11				20%	16 V
D53	8-719-101-23 s	1 SS1 23	C508	1-126-394-11	8			20%	16 V
			C509	1-126-394-11				20%	16 V
			C510	1-126-103-11	8	ELECT	470	20%	16 V
7051	0.750.745.64	N THE FE AN ( TRA)	0511	1 100 100 11		W. D.C.			
IC51	8-759-745-64 s	NJM436UM (JRU)	C511	1-126-103-11		ELECT	470	20%	16 V
			C601	1-126-396-11		ELECT CHIP		20%	16 V
			C606	1-126-394-11		ELECT CHIP		20%	16 V
			C607	1-126-394-11	8	ELECT CHIP		20%	16 V
Q51	8-729-202-38 s		C608	1-126-394-11	8	ELECT CHIP	10	20%	16 V
Q52	8-729-202-38 s								
Q53	8-729-202-38 s	2SC3326N	C609	1-126-394-11		ELECT CHIP	10	20%	16 V
Q54	8-729-202-38 s	2SC3326 N	C610	1-126-103-11		ELECT	470	20%	16 V
		4	C611	1-126-103-11	8	ELECT	470	20%	16 V
			C701	1-126-396-11	8	ELECT CHIP	47	20%	16 V
			C702	1-126-396-11	8	ELECT CHIP	47	20%	16 V
R54	1-216-667-11 s	METAL CHIP 4.7k 0.50% 1/10W							
R56	1-216-667-11 s	METAL CHIP 4.7k 0.50% 1/10W	C706	1-124-234-00	8	ELECT	22	20%	16 V
R57	1-216-667-11 s	METAL CHIP 4.7k 0.50% 1/10W	C708	1-124-234-00	8	ELECT	22	20%	16 V
R58	1-216-667-11 s	METAL CHIP 4.7k 0.50% 1/10W	C711	1-126-103-11	8	ELECT	470	20%	16 V
R6 ()	1-216-679-11 s		C712	1-126-103-11	8	ELECT	470	20%	16 V
			C716	1-126-096-11	8	ELECT	10	20%	3 5 V
R6 2	1-216-679-11 s	METAL CHIP 15k 0.50% 1/10W							
R78		METAL CHIP 15k 0.50% 1/10W	C801	1-126-103-11	8	ELECT	470	20%	16 V
R81	1-216-631-11 s		C802	1-126-103-11	8	ELECT	470	20%	16 V
R8 2	1-216-679-11 s		C804	1-126-103-11		ELECT	470	20%	16 V
			C806	1-126-103-11	8	ELECT	470	20%	16 V
			C809	1-126-103-11			470	20%	16 V
					_				
			C810	1-126-103-11	8	ELECT	470	20%	16 V
			C813			ELECT	470	20%	
CP-161	A BOARD		C814	1-126-103-11		ELECT	470		16 V
			C817	1-126-103-11	8		470		16 V
	A-6713-420-A o	MOUNTED CIRCUIT BOARD, CP-161A	C818	1-126-103-11		ELECT	470	20%	
			C821	1-126-103-11	8	ELECT	470	20%	16 V
			C822	1-126-103-11	8	ELECT	470		16 V
C1	1-126-103-11 s	ELECT 470 20% 16V							
C101	I-126-396-11 s	ELECT CHIP 47 20% 16V							
C106		ELECT CHIP 10 20% 16V							
C107	1-126-394-11 s		CN407	1-506-470-11	8	5P, MALE			
C108	1-126-394-11 8			1-506-473-11	8	8P, MALE			
				1-506-469-11	8	4P, MALE			
C109	1-126-394-11 s	ELECT CHIP 10 20% 16V		1-506-471-11	8				
C110		ELECT 470 20% 16V		1-506-469-11	8	4P, MALE			
C111	1-126-103-11 s	ELECT 470 20% 16V			-	,			
C201	1-126-396-11 s	ELECT CHIP 47 20% 16V	CN412	1-506-471-11	8	6P, MALE			
C206	1-126-394-11 s			1-506-468-11	8	3P, MALE			
				1-506-469-11	8	4P, MALE			
				1-506-470-11	8				
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Ref.No. Parts No.
                                                                                          SP Description
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       8-719-200-02 s
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                                                                     IC102 8-759-109-70
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       8-719-200-02
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D2
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       8-719-800-76
D101
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D102
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8-729-202-38 s
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 D603
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 D604
        8-719-800-76
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                                                                                              2 SC33 26 N
                                                                      Q201
        8-719-104-34
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 D605
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                                                                             8-729-202-38 s
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 D608
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                                                                             8-729-180-93 s
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 D705
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                                                                             8-729-216-22 s
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                                                                      Q301
                                                                                              2SC3326N
                          MA1 52 WK
 D709
        8-719-400-18
                                                                      Q302
                                                                             8-729-202-38 s 2SC3326N
 D71 0
        8-719-400-18
                          MA1 52 WK
        8-719-400-18 s
 D711
        8-719-400-18 B
                          MAI 52WK
 D71 2
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Ref.No	· Parts No.	SP	Description	Ref.No	. Parts No.	SP	Description		
Q303	8-729-202-38	8	2SC3326N	Q7 20	8-729-901-01	8	DTC144EK		
Q304	8-729-202-38	8	2SC3326N	Q7 21	8-729-901-01	8	DTC1 44EK		
Q305	8-729-180-93	8	2SD809	Q7 22	8-729-901-01	8	DTC144EK		
Q306 Q307	8-729-173-13 8-729-180-93		2SB731 2SD809	Q7 23 Q7 24	8-729-216-22 8-729-216-22		2SA1162 2SA1162		
Q307	0-729-100-93	•	232009	Q/ 24	0-729-210-22	8	25A1102		
Q308	8-729-173-13		2SB731	Q7 2 5	8-729-202-38	8	2SC3326N		
Q309	8-729-271-22		2SC2712-G	Q7 26	8-729-202-38	8	2SC3326N		
Q310	8-729-216-22		2SA1162 2SC2712-G	Q801 Q802	8-729-905-53 8-729-205-95		2SD1055-R		
Q311 Q312	8-729-271-22 8-729-216-22		2SA1162	Q803	8-729-905-53		2SB822-R 2SD1055-R		
0601	9_720_202_29		2SC3326 N	0804	9_720_205_05		200022		
Q401 Q402	8-729-202-38 8-729-202-38		2SC3326N	Q804 Q805	8-729-205-95 8-729-905-53	8	2SB822-R 2SD1055-R		
Q403	8-729-202-38			Q806	8-729-205-95		2SB822-R		
Q404	8-729-202-38		2 SC33 26 N	-					
Q405	8-729-180-93	8	2SD809						
Q406	8-729-173-13	8	2SB731	R101	1-216-660-11	8	METAL CHIP 2.4k	0.5%	1/10W
Q407	8-729-180-93		2SD809	R102	1-216-628-11	8	METAL CHIP 110		1/10W
Q408	8-729-173-13			R1 03	1-216-654-11				1/10W
Q409	8-729-271-22			R104 R105	1-216-662-11		METAL CHIP 3k		1/10W
Q410	8-729-216-22	8	2SA1162	KIUJ	1-216-659-11	8	METAL CHIP 2.2k	0.5%	1/10W
Q411	8-729-271-22			R1 06	1-216-679-11		METAL CHIP 15k		1/10W
Q41 2	8-729-216-22			R1 07		8	METAL CHIP 2.7k		1/10W
Q501 Q502	8-729-202-38		2 SC 3 3 2 6 N 2 SC 3 3 2 6 N	R109	1-216-667-11	8	METAL CHIP 4.7k		1/10W
Q503	8-729-202-38 8-729-202-38		2SC3326N	R110 R111	1-216-667-11 1-216-667-11	8	METAL CHIP 4.7k METAL CHIP 4.7k		1/10W 1/10W
•					1 210 007-11	•	METAL OHIT 4./K	0.5%	1/10₩
Q504	8-729-202-38			R112	1-216-667-11	8	METAL CHIP 4.7k		1/10W
Q 50 5 Q 50 6	8-729-180-93		2SD809 2SB731	R114	1-216-679-11	8	METAL CHIP 15k		1/10W
Q507	8-729-173-13 8-729-180-93		2SD809	R116 R131	1-216-679-11 1-249-389-11	8	METAL CHIP 15k		1/10W
Q508	8-729-173-13			R131	1-216-679-11	8 8	CARBON 4.7 METAL CHIP 15k	5% 0.5%	1/4W 1/10W
-						•		0.5%	1/10#
Q509 Q510	8-729-271-22		2SC2/12-G 2SA1162	R1 33	1-249-389-11	8	CARBON 4.7	5%	1/4W
Q511	8-729-216-22 8-729-271-22			R135 R136			METAL CHIP 150	0.5%	1/10W
Q512	8-729-216-22		2SA1162	R138	1-216-679-11	8	METAL CHIP 15k METAL CHIP 150	0.5%	1/10W 1/10W
Q6 01	8-729-202-38		2 SC33 26 N	R201	1-216-660-11	8	METAL CHIP 2.4k		1/10W
Q602	8-729-202-38	8	25C3326N	R202	1_216_628_11		METAL CHIP 110	0 59	1 /1 011
Q6 03	8-729-202-38		2SC3326N	R203	1-216-654-11	8			1/10W 1/10W
Q604	8-729-202-38	8	2 SC33 26 N	R204			METAL CHIP 3k	0.5%	1/10W
Q605	8-729-180-93		2SD809	R205	1-216-659-11	8	METAL CHIP 2.2k		1/10W
Q6 06	8-729-173-13	8	2SB731	R206	1-216-679-11	8	METAL CHIP 15k	0.5%	1/10W
Q6 0 7	8-729-180-93	8	2SD809	R207	1-216-661-11	8	METAL CHIP 2.7k	0.5%	1/10W
Q6 0 8	8-729-173-13		25B731	R209	1-216-667-11	8	METAL CHIP 4.7k	0.5%	1/10W
Q609	8-729-271-22		2SC2712-G	R210	1-216-667-11		METAL CHIP 4.7k	0.5%	1/10W
Q610 Q611	8-729-216-22 8-729-271-22		2SA1162 2SC2712-G	R211 R212			METAL CHIP 4.7k		1/10W
· .				K212	1-216-667-11	8	METAL CHIP 4.7k	0.5%	1/10W
Q612	8-729-216-22			R214			METAL CHIP 15k		
Q701 Q702	8-729-901-01 8-729-901-06	8 8	DTC1 44 EK DTA1 44 EK	R216 R231	1-216-679-11 1-249-389-11	8	METAL CHIP 15k		1/10W
Q702	8-729-901-00	8	DTC144EK	R232	1-216-679-11	8 8	CARBON 4.7 METAL CHIP 15k	5%	1/4W
Q704	8-729-901-06		DTAL 44EK	R233	1-249-389-11	8	CARBON 4.7	0.5% 5%	1/10W 1/4W
Q705	8-729-901-01	8	DTC144EK	R235	1-216-631-11	8	METAL CHIP 150	0.5%	1/10W
Q706	8-729-901-06		DTA1 44EK	R236	1-216-679-11	8	METAL CHIP 15k	0.5%	1/10W
Q707	8-729-901-01	8	DTC1 44EK	R238	1-216-631-11	8	METAL CHIP 150		1/10W
Q708	8-729-901-06		DTA1 44EK	R301	1-216-660-11	8	METAL CHIP 2.4k		1/10W
Q709	8-729-901-06	s	DTA1 44EK	R302	1-216-628-11	8	METAL CHIP 110	0.5%	1/10W
Q710	8-729-901-01		DTC144EK	R303	1-216-654-11	8	METAL CHIP 1.3k	0.5%	1/10W
Q711	8-729-901-06	8	DTA1 44EK	R304	1-216-662-11	8	METAL CHIP 3k	0.5%	1/10W
Q712 Q713	8-729-901-01		DTC144EK	R305	1-216-659-11	8	METAL CHIP 2.2k		1/10W
Q714	8-729-208-87 8-729-205-38		2SJ106-Y 2SK208-Y	R306 R307	1-216-679-11 1-216-661-11	8	METAL CHIP 15k METAL CHIP 2.7k		1/10W 1/10W
Q715	8-729-205-38	8	2 SK 20 8 – Y	R309	1-216-667-11	8			
Q716	8-729-208-87	8	2SJ106-Y	R310	1-216-667-11	8	METAL CHIP 4.7k		1/10W 1/10W
Q717	8-729-901-06	8	DTAI 44EK	R311	1-216-667-11	8	METAL CHIP 4.7k		1/10W
Q718	8-729-901-01	6	DTC144EK	R312	1-216-667-11	8	METAL CHIP 4.7k		1/10W
Q719	8-729-202-38	8	2 S C 3 3 2 6 N	R314	1-216-679-11	8	METAL CHIP 15k		1/10W

```
Ref. No. Parts No. SP Description
                                         0.5% 1/10W
      1-216-679-11 s
                        METAL CHIP 15k
R316
                        CARBON
                                           5%
                                                1/4W
R331
      1-249-389-11
                     8
                                   4.7
                        METAL CHIP 15k
                                         0.5% 1/10W
      1-216-679-11
R332
                                                1/4W
       1-249-389-11
                        CARBON
                     8
R333
                        METAL CHIP 150
                                         0.5%
                                              1/10W
R335
       1-216-631-11
                                               1/10W
                        METAL CHIP 15k
R336
       1-216-679-11
                        METAL CHIP 150
                                         0.5%
                                               1/10W
       1-216-631-11
R338
       1-216-660-11
                        METAL CHIP 2.4k
                                         0.5% 1/10W
R401
       1-216-628-11
                        METAL CHIP 110
                                         0.5%
                                               1/10W
R402
R403
       1-216-654-11
                        METAL CHIP 1.3k
                                         0.52
                                               1/10W
                        METAL CHIP 3k
                                               1/10W
       1-216-662-11
R404
       1-216-659-11
                         METAL CHIP 2.2k 0.5%
                                               1/10W
R405
R406
       1-216-679-11
                     8
                        METAL CHIP 15k
                                         0.5%
                                               1/10W
R407
                        METAL CHIP 2.7k
                                               1/10W
       1-216-661-11
                     8
                                         0.5%
                        METAL CHIP 4.7k
                                         0.5%
       1-216-667-11
                                               1/10W
R409
                         METAL CHIP 4.7k
                                               1/10W
R410
                                          0.5%
R411
       1-216-667-11
                    8
                        METAL CHIP 4.7k
                                         0.5%
                                               1/10W
                        METAL CHIP 4.7k
                                         0.5%
                                               1/10W
R412
       1-216-667-11 s
                         METAL CHIP 15k
                                          0.5%
       1-216-679-11
                                               1/10W
R414
       1-216-679-11 s
                         METAL CHIP 15k
                                          0.5%
                                               1/10W
R416
                                            52
                                                1/4W
R431
       1-249-389-11
                     8
                         CARBON
                                          0.5% 1/10W
                         METAL CHIP 15k
R432
       1-216-679-11
                     8
       1-249-389-11
                         CARBON
                                           5%
                                                1/4W
R433
                         METAL CHIP 150
                                          0.5%
                                               1/10W
R435
       1-216-631-11
                         METAL CHIP 15k
                                          0.5% 1/10W
R436
                         METAL CHIP 150
                                          0.5%
                                               1/10W
R438
       1-216-631-11
                     8
                         METAL CHIP 2.4k
                                          0.5%
                                               1/10W
       1-216-660-11
R 50 1
                         METAL CHIP 110
                                          0.5%
                                               1/10W
       1-216-628-11
                     8
R502
                                               1/10W
       1-216-654-11
                         METAL CHIP 1.3k
                                          0.5%
R503
                         METAL CHIP 3k
                                          0.5%
                                               1/10W
R504
        1-216-662-11
                                               1/10W
                         METAL CHIP 2.2k 0.5%
R 50 5
       1-216-659-11
                     8
                         METAL CHIP 15k
                                          0.5%
                                               1/10W
       1-216-679-11
R506
                     8
 R507
       1-216-661-11
                         METAL CHIP 2.7k 0.5%
                                               1/10W
                         METAL CHIP 4.7k
                                          0.5%
                                               1/10W
 R509
                         METAL CHIP 4.7k
 R510
        1-216-667-11
                                          0.57
                                               1/10W
                         METAL CHIP 4.7k
                                                1/10W
 R511
       1-216-667-11
                     8
       1-216-667-11
                         METAL CHIP 4.7k
                                          0.5%
                                               1/10W
 R512
                         METAL CHIP 15k
                                               1/10W
 R514
       1-216-679-11
                      8
                                          0.5%
                                               1/10W
       1-216-679-11
                         METAL CHIP 15k
                                          0.5%
 R516
                      8
                         CARBON
                                                 1/4%
       1-249-389-11
 R531
                         METAL CHIP 15k
                                          0.5% 1/10W
 R532
        1-216-679-11
                         CARBON
                                                 1/4W
 R533
        1-249-389-11
                     8
                                    4.7
                                            5Z
                         METAL CHIP 150
                                          0.5% 1/10W
 R535
       1-216-631-11
                     8
                         METAL CHIP 15k
 R536
        1-216-679-11
                     8
 R538
        1-216-631-11
                         METAL CHIP 150
                                          0.5%
                                               1/10W
                         METAL CHIP 2.4k
                                          0.5%
                                                1/10W
 R601
       1-216-660-11
                     8
                         METAL CHIP 110
       1-216-628-11
                                          0.5%
                                               1/10W
                     8
 R602
        1-216-654-11
                         METAL CHIP 1.3k
                                          0.5%
                                               1/10W
 R603
                     8
        1-216-662-11
                     8
                         METAL CHIP 3k
                                          0.5%
                                                1/10W
 R604
                         METAL CHIP 2.2k
                                          0.5% 1/10W
        1-216-659-11
                         METAL CHIP 15k
                                          0.5%
                                                1/10W
        1-216-679-11
 R606
                         METAL CHIP 2.7k
        1-216-661-11
                                          0.5%
                                               1/10W
 R607
                         METAL CHIP 4.7k 0.5% 1/10W
 R609
        1-216-667-11
 R610
        1-216-667-11
                         METAL CHIP 4.7k
                                          0.5%
                                               1/10W
 R611
        1-216-667-11
                         METAL CHIP 4.7k
                                          0.52
                                               1/10W
        1-216-667-11
                         METAL CHIP 4.7k
                                          0.5%
                         METAL CHIP 15k
                                          0.5%
                                                1/10W
                         METAL CHIP 15k
 R616
        1-216-679-11
                      8
                                          0.5% 1/10W
        1-249-389-11
                         CARBON
                                                 1/4W
 R631
                                    4.7
                         METAL CHIP 15k
                                          0.5% 1/10W
        1-216-679-11
 R632
        1-249-389-11
                         CARBON
                                            5Z
                                                 1 / AW
 R633
                         METAL CHIP 150
                                          0.5% 1/10W
 R635
        1-216-631-11
                      8
                                          0.5% 1/10W
                         METAL CHIP 15k
        1-216-679-11
 R636
                         METAL CHIP 150
                                          0.5%
                                                1/10W
        1-216-631-11
 R638
                         METAL CHIP 1M
```

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Ref.No. Parts No. SP Description
                                                5% 1/10W
   R740
          1-216-121-00 s METAL CHIP 1M
          1-216-121-00
                            METAL CHIP 1M
                                                5% 1/10W
   R7 44
   R745
          1-216-121-00
                         s METAL CHIP 1M
                                                5%
                                                   1/10W
   R7 47
          1-216-659-11
                         s METAL CHIP 2.2k
                                             0.57
                                                   1/10W
   R7 50
           1-216-659-11
                         s METAL CHIP 2.2k
                                             0.5%
                                                   1/10W
   R7 52
                                                   1/10W
           1-216-659-11
                            METAL CHIP 2.2k
                                              0.52
   R801
           1-249-411-11
                         8
                            CARBON
                                       330
                                                5%
                                                    1/4W
1/4W
   R802
           1-249-411-11
                            CARBON
                                       330
                                                5%
                         8
           1-249-411-11
                            CARBON
                                        330
                                                5%
   R803
                            CARBON
                                                5%
    R804
           1-249-411-11
                                                     1/4%
   R805
          1-249-411-11 s
                            CARBON
                                       330
                                                57
                                                     1/4W
           1-249-411-11 s CARBON
                                                     1/4W
   R806
                                       330
                                                5%
   RV101 1-230-522-11 8 VAR, METAL 4.7k
    RV201
          1-230-522-11 s
                            VAR, METAL 4.7k
           1-230-522-11
                            VAR, METAL 4.7k
    RV301
                         8
    RV401
           1-230-522-11
                            VAR, METAL 4.7k
           1-230-522-11
                            VAR. METAL 4.7k
    RV601 1-230-522-11 s VAR, METAL 4.7k
    DE-15 BOARD
           1-622-606-12 o PRINTED CIRCUIT BOARD, DE-15
           1-559-266-11 o FLAT CABLE
    DME
           1-807-683-11 s RESISTOR ELEMENT
14) DEC-39A BOARD
           A-6711-942-A o MOUNTED CIRCUIT BOARD, DEC-39A
    C410
           1-124-462-00
                           ELECT
                                        10
                                               207
                                                    16 V
                         8
           1-123-661-00
                                        100
    C8 53
                            ELECT
                                               20% 6.3V
                         8
    C855
           1-123-661-00
                            ELECT
                                         100
                                               20% 6.3V
                            CERMIC CHIP 20pF
           1-163-100-00
 3) CN105 1-506-748-31 s DIN 96P
 4) CN105 1-506-748-11 s DIN 96P
    D403
           8-719-100-05 a 1S2837
    IC403 8-759-700-20 s NJM79M05A (JRC)
    IC851 8-759-941-27 s MB4002PF (FUJITSU)
IC852 8-759-941-27 s MB4002PF (FUJITSU)
    IC853 8-759-971-01 s SN74HC08NS (TI)
```

# 3EC-39A/46AP, DM-56P

Ref.No	. Parts No.	SP	Description			Ref.No	. Parts No.	SP	Description		
L400	1-459-155-00	8	45 (WITH CORE)			L203	1-410-482-31	8	MICRO 100		
L401	1-459-155-00	8	45 (WITH CORE)			L204	1-410-482-31	8	MICRO 100		
L402	1-459-155-00	8	45 (WITH CORE)								
L851	1-410-482-31										
L8 52	1-410-482-31										
	•					Q201	8-729-201-26	8	2SC2715		
L8 53	1-410-482-31	8	MICRO 100			Q202	8-729-201-26				
L8 54	1-410-482-31	8	MICRO 100			Q203	8-729-201-26	8			
203.	1 420 402 32	Ī				<b>\</b>			2002/13		
0851	8-729-200-85	8	2SC2714-R			R205	1-216-637-11	8	METAL CHIP 270	0.50%	1/10W
08 52	8-729-200-85					R206	1-216-651-11		METAL CHIP 1k	0.50%	1/10W
0853	8-729-200-85					R207	1-216-658-11			0.50%	1/10W
4030	• , • , •					R208	1-216-682-11			0.50%	1/10W
						R209	1-216-679-11			0.50%	1/10W
***	11		VIII			D010	1 01/ //0 11		VERMAN AND A AL		
R8 55	-		METAL CHIP 270		1/10W	R21 2	1-216-663-11		METAL CHIP 3.3k		1/10W
R8 56	1-216-658-11		METAL CHIP 2k	0.50%	1/10W	R213	1-216-651-11		METAL CHIP 1k	0.50%	1/10W
R8 57			METAL CHIP 1k		1/10W	R215	1-216-651-11		METAL CHIP 1k	0.50%	1/10W
R8 58			METAL CHIP 20k		1/10W	R216	1-216-644-11		METAL CHIP 510	0.50%	1/10W
R8 59	1-216-679-11	8	METAL CHIP 15k	0.50%	1/10W	R217	1-216-644-11	8	METAL CHIP 510	0.50%	1/10W
R862	1-216-663-11	8	METAL CHIP 3.3k	0.50%	1/10W						
R863	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W						
R865	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W	RV201	1-237-514-21	8	VAR, CERMET 500		
					•	RV202	1-237-514-21	8	VAR, CERMET 500		
									,		
RV851	1-237-51 5-21	8	VAR, CERMET 1k								
			VAR, CERMET 1k								
						DW 56 D					

# 15) DEC-46AP BOARD

	A-6727-076-A	0	MOUNTED CIRC	UIT BO	ARD,	DEC-46AP
C48	1-126-103-11	8	ELECT	47	20%	16 V
C49	1-126-103-11	8	ELECT	47	20%	16 V
C50	1-126-103-11	8	ELECT	47	20%	16 V
C58	1 -1 26 -1 57 -1 1	8	ELECT	10	20%	16 V
C201	1-123-661-00	8	ELECT	100	20%	6.3V
C2O3	1-124-589-11	8	ELECT	47	20%	16 V
C205	1-123-661-00	8	ELECT	100	20%	6.3V
	1-163-100-00	8	CERAMIC CHIP	20pF	5%	50 V
	1-126-157-11	8	ELECT	10	20%	16 V
C211	1-124-589-11	8	ELECT	47	20%	16 V
CN105	1-506-748-11	s	DIN 96P			
	8-7 59-982-52	8	RC79MO5FA (R			
	8-759-941-27	8	MB4002PF (FU.			
	8-759-941-27 8-759-204-98	8	MB4002PF (FU. SN74HC08NS (			
				•		
_	1-459-155-00		45 (WITH COR			
Ll 2			45 (WITH COR			
113			45 (WITH COR	Ε)		
L2O1	1-410-482-31	8	MICRO 100			
L2O2	1-410-482-31	8	MICRO 100			

#### DM-56 P BOARD

- 3) This board includes the DUS-259 and DUS-269 boards.
- 4) This board includes the DUS-259, DUS-269, DUS-288, EQ-26, and EQ-28 boards.

A-6711-904-B o MOUNTED CIRCUIT BOARD, DM-56P

	C33	1-107-163-00	8	MICA	47 pF	5%	500 V	
	C312	1-107-339-11	8	MICA	630.8pF	0.25%	100	
	C342	1-163-111-00	8	CERAMIC CHIP	56 pF	5%	50 V	
11)	C350	1-107-168-00	8	MICA	91 pF	5%	500V	
	C351	1-107-049-00	8	MICA	8.2pF	0.50pF	500V	
	C431	1-135-096-21	8	TANTAL CHIP	4.7	10%	10V	
	C432	1-135-093-21	8	TANTAL CHIP	10	10%	10V	
	C436	1-135-093-21	8	TANTAL CHIP	10	10%	10V	
	C501	1-163-103-00	8	CERAMIC CHIP	27 pF	5%	50 V	
	C51 2	1-163-103-00	8	CERAMIC CHIP	27 pF	5%	50 V	
	C528	1-162-716-11	8	CERAMIC	180 pF	12	50 V	
	C529	1-162-728-11	8	CERAMIC	560pF	1%	50 V	
	C714	1-107-340-11	8	MICA	651.2pF	0.25%	100V	
	C917	1-124-471-00	8	ELECT	1000	20%	6.37	
	C918	1-126-103-11	8	ELECT	470	20%	16 V	
	C920	1-124-471-00	8	ELECT	1000	20%	6.3V	
	C921	1-124-471-00	6	ELECT	1000	20%	6.3V	
	C927	1-124-224-00	8	ELECT	47	20%	6.3V	
	C928	1-124-471-00	8	ELECT	1000	20%	6.3V	
	C929	1-126-103-11	8	ELECT	470	20%	16V	
	C933	1-124-224-00	s	ELECT	47	20%	6.3V	

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Ref.No. Parts No. SP Description
    Ref. No. Parts No. SP Description
                                                                               8-729-801-45 s 2SC3064-E
                                                                        TC6
19) CN1
           1-566-473-11 o PIN, SOCKET 1P
                                                                         IC101 8-766-001-49
                                                                                                 TX429M
                                                                                             8
19) CN2
           1-566-473-11 o PIN, SOCKET 1P
                                                                         IC102 8-759-969-13 s SN16913P (TI)
19) CN3
           1-566-473-11 o PIN, SOCKET 1P
                                                                         IC103 8-759-700-43
                                                                                             8
                                                                                                 NJM4558M (JRC)
19) CN4
           1-566-473-11
                          o PIN, SOCKET 1P
                                                                         IC104 1-464-602-31
                                                                                            s CIRCUIT UNIT, HF
    CN110 1-506-746-11
                            DIN 48P
                          8
                                                                         IC105 8-752-006-12 s CX20061 (SONY)
 3) CN111 1-506-748-31
                         8
                            DIN 96 P
                                                                                             8
                                                                         IC201 8-759-700-95
                                                                                                NJM1 496M (JRC)
 4) CN111 1-506-748-11 s DIN 96P
                                                                         IC202
                                                                               8-759-908-17 s TL082CPS (TI)
    CN1001 1-554-788-11 o PIN 5P
                                                                         IC203
                                                                               8-759-951-09
                                                                                             s SN75107ANS (TI)
                                                                         TC204 8-759-908-17 8 TL082CPS (TI)
                                                                         IC205 8-759-208-11 s TC4053BFHB (TOSHIBA)
    CV347 1-141-298-11 s TRIMMER, CERAMIC
                                                                                8-741-109-80
                                                                                                 BX1098 (SONY)
                                                                    14) IC207
                                                                    15) IC207 8-749-920-42 s BX1098L (SONY)
                                                                               8-759-012-00
8-759-001-98
                                                                                             s MC10H116M (MOTOROLA)
s MC10198L (MOTOROLA)
                                                                         IC301
           8-719-109-94 s RD6.2ES-B3
                                                                         IC302
    D101
           8-719-911-19 s 1SS119
    D102
                                                                         IC303 8-752-015-81 s CX20158 (SONY)
IC304 8-752-015-81 s CX20158 (SONY)
           8-719-101-23 s 1SS123
     D201
     D202
           8-719-101-23
                          s 1SS123
                                                                         IC305 8-759-112-53 8
            8-719-109-85
                                                                                                 uPC1663G (NEC)
                             RD5.1 ES-B2
     D301
                                                                                8-752-006-10
                                                                                                 CX20061 (SONY)
                                                                         TC306
                                                                                             8
                                                                                                 CX20158 (SONY)
                                                                         IC403
                                                                                8-752-015-81 s
     D302
           8-719-101-23 s
                             188123
           8-719-101-23 s 1SS123
     D303
           8-719-109-94 s RD6.2ES-B3
                                                                         IC401
                                                                                8-752-030-80 s
                                                                                                 CXA1039M (SONY)
     D304
                                                                                8-741-154-01 s
            8-719-109-94
                          s RD6.2ES-B3
                                                                         TC402
                                                                                                 SBX1540-31 (SONY)
     D305
                                                                                8-7 52-01 5-81
                                                                                                 CX20158 (SONY)
                                                                         IC501
            8-719-101-23
                         s 1SS123
                                                                                             6
     D401
                                                                                8-759-112-53
                                                                         IC502
                                                                                             8
                                                                                                 uPC1663G (NEC)
                                                                                8-752-015-81
                                                                                                 CX20158 (SONY)
            8-719-109-44 s 1SS99-1
     D500
            8-719-101-23 s
                             188123
     D601
                                                                         IC504 8-759-112-53 s
                                                                                                 uPC1663G (NEC)
                          s RD5.1ES-B2
            8-719-109-85
     D701
                                                                         IC505 8-752-015-81 8
                                                                                                 CX20158 (SONY)
            8-719-101-23
     D702
                          s 1SS123
                                                                                8-729-801-45
                                                                                             8
                                                                         IC506
                                                                                                 2SC3064-E
     D703
            8-719-109-94
                         s RD6.2ES-B3
                                                                         IC507
                                                                                8-759-969-13
                                                                                             8
                                                                                                 SN16913P (TI)
                                                                         IC508 8-759-700-43
                                                                                                 NJM4558M (JRC)
     D704
            8-719-109-94 s
                             RD6.2ES-B3
            8-719-101-23
                         8
     D801
                                                                         1С509 8-766-001-49 в
            8-719-101-23
                          s 1SS123
                                                                                                 TX429M
     D802
                                                                                8-759-700-95 s
                                                                                                 NJM1496M (JRC)
                                                                         IC601
            8-719-101-23
                          s 1SS123
     D901
                                                                         IC602
                                                                               8-759-908-17 s
                                                                                                 TL082CPS (TI)
     D902
            8-719-101-23 s 1SS123
                                                                         TC603 8-759-951-09
                                                                                             8
                                                                                                 SN75107ANS (TI)
                                                                         TC604 1-464-602-21 8
                                                                                                 CIRCUIT UNIT. HF
                                                                         IC605 8-752-006-10
                                                                                                 CX20061 (SONY)
                                                                                             8
     DL1 1-415-154-00 s 35ns
DL501 1-415-162-21 s 50ns
                                                                         IC701 8-759-012-00 s
IC702 8-759-001-98 s
                                                                                                 MC10H116M (MOTOROLA)
MC10198L (MOTOROLA)
uPC1663G (NEC)
                                                                                             8
                                                                         IC703 8-759-112-53
                                                                                             8
                                                                         IC704 8-752-015-81 s
                                                                                                 CX20158 (SONY)
     FB301 1-535-178-00 s FERRITE BEAD
                                                                                                 SBX1540~21 (SONY)
CX20158 (SONY)
                                                                         TC801
                                                                                8-741-154-00
     FB509 1-535-178-00
                             FERRITE BEAD
                                                                                             8
                          8
                                                                         IC802 8-752-015-81 s
     FB701 1-535-178-00
                          8
                             FERRITE BEAD
                                                                                                 TC74HC4049F (TOSHIBA)
TC74HC4049F (TOSHIBA)
                                                                         IC901 8-759-205-39
     FB901 1-535-178-00
                             FERRITE BEAD
                                                                                             8
                                                                         IC902 8-759-205-39
     FB902 1-535-178-00
                                                                                             8
                          s FERRITE BEAD
                                                                         IC903 8-759-204-98
                                                                                             8
                                                                                                 TC74HC08F (TOSHIBA)
     FB903 1-535-178-00 s FERRITE BEAD
                                                                         IC904 8-759-204-98 s
IC905 8-759-205-40 s
                                                                                                 TC74HC08F (TOSHIBA)
     FB904 1-535-178-00 s FERRITE BEAD
                                                                                                 TC74HC4050F (TOSHIBA)
                                                                         IC906
                                                                               8-759-204-98 s
                                                                                                 TC74H008F (TOSHIBA)
                                                                         IC907
                                                                                8-759-941-17 s SN74LS06NS (TI)
                                                                         IC908 8-759-982-10 s RC7809FA (RAYTHEON)
     FL301 1-236-092-12 8 LOW-PASS 5.5MHz
     FL302 1-236-024-11 8 LOW-PASS 4.0 MHz
                                                                         IC909 8-759-982-05 s RC7805FA (RAYTHEON)
     FL303
           1-235-321-11 s LOW-PASS 1.5MHz
           1-235-546-11 s
                             BAND ELIMINATE 4.43MHz
      FL304
     FL701 1-236-185-11 s LOW-PASS 4MHz/3MHz
                                                                                1-410-470-11 s MICRO 10
                                                                         LI
                                                                                1-410-482-31 s MICRO 100
                                                                         L2
                                                                         L3
                                                                                1-410-470-11 s
                                                                                                 MICRO 100
            8-752-015-81 s
                             CX20158 (SONY)
     ICI
                                                                                1-410-482-31 s
                                                                                                 MICRO 100
     IC2
IC3
            8-752-015-81 s
                             CX20158 (SONY)
            8-759-112-53
                             uPC1663G (NEC)
                                                                         L5
                                                                                1-410-482-31 s
                                                                                                 MICRO 100
                          8
            8-759-112-53 s
                             uPC1663G (NEC)
      IC4
                                                                         L6
                                                                                1-410-470-11 s
                                                                                                 MICRO 100
            8-752-015-81 s
                             CX20158 (SONY)
                                                                                1-410-482-31
                                                                         L7
                                                                                                 MICRO 100
                                                                         1.8
                                                                                1-410-482-31
                                                                                                 MICRO 100
                                                                                1-410-482-31 s
                                                                         LI 0
                                                                                                 MICRO 100
                                                                                1-410-466-21 s
                                                                                                 MICRO 4.7
```

Ref.No. Parts	No. S	Descrip	otion		Ref	.No.	Parts No.	SP	Description
L101 1-410-	-482-31	MICRO 1	00		LVl	1	1-408-634-00	8	FIXED
		MICRO 1	00						
		MICRO 1							
		MICRO 1							
		MICRO 1			Q1		8-729-101-25	8	2SC1009A
1100 1 410	7/0 11	1	. •		Q2		8-729-101-25	8	2SC1009A
L107 1-410-	-46 4-11	MICRO 3	3.3		Q3		8-729-101-25	8	2SC1009A
		MICRO 1			Q4		8-729-101-25		2SC1009A
		MICRO 1			Õ5		8-729-101-25		2SC1009A
		MICRO 1			4.5			_	200200712
		MICRO 1			Q6		8-729-101-25	8	2SC1009A
P502 1-410-	-402-JI	, mono i			4) Q7		8-729-900-53	8	DTC114EK
1004 1 410	400 21	MICRO 1	100					8	DTC114EK
					4) Q8		8-729-900-53	-	
					Q9		8-729-101-25 8-729-101-25		2SC1009A 2SC1009A
					Q10	,	0~723-101-23		230100 JA
					011		0 700 101 25	_	20010004
L303 1-410-	-482-31	B MICRO 1	100		Q11		8-729-101-25		2SC1009A
		WT.000 1			Q1 2		8-729-101-25		2SC1009A
		MICRO 1			Q1 3		8-729-101-25		2SC1009A
		s MICRO 1			Q1 5		8-729-900-36	8	DTC124ES
		B MICRO 1			Q16	,	8-729-101-25	8	2SC1009A
		B MICRO 1							
L309 1-410	-482-31	s MICRO 1	100		Q1 8		8-729-102-06	8	2SC2223
					Q1 9	9	8-729-202-38	8	28C3326 N
L310 1-410	-482-31				Q20	)	8-729-122-63	8	2SA1 226
L311 1-410	-478 <b>-</b> 11	s MICRO 4			Q21	l	8-729-202-38	8	2SC3326N
L312 1-410	-482-31	s MICRO 1	100		Q22	2	8-729-202-38	8	2SC3326N
1401 1-410	-482-31	s MICRO 1	100						
L402 1-410	-482-31	s MICRO 1	100		Q23	3	8-729-202-38	8	2 SC33 26 N
					Q24	4	8-729-202-38	8	2SC3326N
L403 1-410	-482-31	s MICRO 1	100		Q2:	5	8-729-101-25	8	2SC1009A
1404 1-410	-466-41	s MICRO 4	4.7		Q26		8-729-101-25	8	2SC1009A
L406 1-410	-461 <b>-41</b>	s MICRO 1	1.8		Q27		8-729-101-25	8	2SC1009A
		s MICRO 1	100		<b>,</b>				
		s MICRO 4			Q28	3	8-729-101-25	8	2SC1009A
					Q1 (		8-729-101-25		2SC1009A
L409 1-410	-482-31	s MICRO 1	100		QIO		8-729-101-25		2SC1009A
		s MICRO 1			Q10		8-729-101-25		2SC1009A
		s MICRO 1			QIO		8-729-101-25		2SC1009A
	-482-31	s MICRO 1			4	•	0 (2) 101 2)	_	
		s MICRO 1			Q1 (	15	8-729-101-25	8	2SC1009A
2505 2 410	402 J.				QI		8-729-101-25		2SC1009A
L504 1-410	-482-31	s MICRO 1	100		QIO		8-729-101-25		2SC1009A
		s MICRO I			Q10		8-729-101-25		28C1009A
	-482-31	s MICRO 1			QIO		8-729-101-25		2SC1009A
	-482-31	s MICRO 1			<b>\-</b>			-	
	-482-31	s MICRO 1			Q1 1	10	8-729-101-25	g	2SC1009A
					Q1 1		8-729-101-25		2SC1009A
L601 1-410	-482-31	s MICRO 1	100		QII		8-729-101-25		2SC1009A
	-468-11	s MICRO 6			Qii		8-729-101-25		2SC1009A
	-482-31	s MICRO 1			Q11		8-729-101-25		2SC1009A
	-482-31	s MICRO 1			Q11	. 4	0-/29-101-23	•	2301007A
		s MICRO 1		4	Q11	1.5	8-729-101 <i>-</i> 25	8	2SC1009A
					QLI		8-729-101-25		2SC1009A
L606 1-410	-482-31	s MICRO 1	100				8-729-101-23		2SC2223
	-468-31	s MICRO 6			Q11 Q11		8-729-102-06		2SC2223
	)-471-11	s MICRO 1							
	)-4/1 <b>-</b> 11 )-482-31	s MICRO 1			Q1 1	. 7	8-729-102-06	8	2SC2223
					001	^1	0 700 101 05	_	0.001.0004
L701 1-410	-482-31	s MICRO	100		Q20		8-729-101-25		2SC1009A
1702		- WTCDO 1	100		Q20		8-729-101-25		2SC1009A
	)-482-31	s MICRO 1			Q20		8-729-101-25		2SC1009A
	)-482-31	s MICRO I			Q20		8-729-202-38		2 SC3326 N
	)-482-31	s MICRO I			Q20	05	8-729-202-38	8	2SC3326N
	)-482-31	s MICRO							
L803 1-410	)-482-31	s MICRO 1	100		Q20		8-729-202-38		2SC3326N
					Q20		8-729-202-38		2SC3326N
	)-482-31	s MICRO			Q20		8-729-101-25		2SC1009A
	0-482-31	s MICRO 1			Q3(		8-729-122-63		2 SA1 226
	0-482-31	s MICRO			Q30	02	8-729-122-63	8	2 SA1 226
	9-155-00		TH CORE)						
L903 1-459	9-155-00	s 45 (WIT	TH CORE)		Q30		8-729-102-06		2SC2223
					Q3(		8-729-101-25		2SC1009A
	9-1 55-00		TH CORE)		Q3(		8-729-101-25		2SC1009A
	9-1 55-00		TH CORE)		Q3(		8-729-101-25		2SC1009A
L906 1-459	9-1 55-00	s 45 (WII	TH CORE)		Q3(	07	8-729-101-25	8	28C1009A

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Ref.No. Parts No. SP Description
  Ref.No. Parts No. SP Description
                                                                              8-729-101-25 s 2SC1009A
                                                                       0706
         8-729-101-25 s 2SC1009A
  Q308
                                                                       Q707
                                                                              8-729-101-25 s
                                                                                               2SC1009A
  Q309
         8-729-101-25
                       s 2SC1009A
                                                                              8-729-101-25
                                                                                               2SC1009A
                       s 2SC1009A
                                                                       0708
         8-729-101-25
  0310
                                                                       Q709
                                                                              8-729-101-25
                                                                                           8
                                                                                               2SC1009A
         8-729-101-25
                           2SC1009A
  0311
         8-729-101-25
                          2SC1009A
                                                                       0801
                                                                              8-729-101-25 s 2SC1009A
  0312
                                                                       Q803
                                                                              8-729-101-25
         8-729-202-38
                          2SC3326 N
                                                                                           8
  Q313
                       8
                           2SC2223
                                                                       Q813
                                                                              8-729-101-25
                                                                                               2SC1009A
         8-729-102-06
  Q314
                       8
         8-729-101-25
                       s 2SC1009A
                                                                       0814
                                                                              8-729-101-25 B
                                                                                               2SC1009A
  0315
                                                                       0901
                                                                              8-729-101-25
                                                                                            8
                                                                                               2SC1009A
         8-729-101-25
                          2SC1009A
                       8
  0316
                                                                              8-729-122-63
                                                                                               2 SA1 226
                           2SC1009A
                                                                       Q902
         8-729-101-25
  Q317
                       s 2SC1009A
  Q318
         8-729-101-25
         8-729-109-44
                           2SK94
  0402
                       s
                                                                                               METAL CHIP 1k
                                                                              1-216-651-11 s
                                                                                                                 0.50% 1/10W
         8-729-101-25
                                                                       RI
                          2SC1009A
                        8
  0403
                                                                    1) R2
                                                                              1-216-650-11 s
                                                                                               METAL CHIP 910
                                                                                                                 0.50%
                                                                                                                        1/10W
         8-729-101-25
                          2SC1009A
  0414
                                                                                                                        1/10W
                                                                       R2
                                                                              1-216-631-11 s
                                                                                               METAL CHIP 150
                                                                                                                 0.50%
         8-729-101-25
                          2SC1009A
  Q409
                                                                       R3
                                                                              1-216-651-11 s
                                                                                               METAL CHIP 1k
                                                                                                                 0.507
                                                                                                                        1/10W
                          2SC1009A
                                                                       R4
                                                                              1-216-651-11 s METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
         8-729-101-25
  0410
                       8
                           2SC1009A
         8-729-101-25
  0411
                        8
                                                                       R5
                                                                              1-216-651-11 s
                                                                                               METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
         8-729-101-25
                       8
                          2SC1009A
  Q412
                                                                       R6
                                                                              1-216-639-11 s
                                                                                               METAL CHIP 330
                                                                                                                 0.50%
                                                                                                                       1/10W
         8-729-101-25
                        8
                          2SC1009A
                                                                       R1 4
                                                                              1-216-635-11 s
                                                                                               METAL CHIP 220
                                                                                                                 0.50%
                                                                                                                       1/10W
                          2SC1009A
  0414
         8-729-101-25
                                                                              1-216-631-11 s
                                                                                                                 0.50%
                                                                    2) R34
                                                                                               METAL CHIP 150
                                                                                                                        1/10W
                                                                              1-216-651-11 s
                                                                                               METAL CHIP 1k
                                                                                                                 0.50%
                           2SC1009A
                                                                                                                        1/10W
                                                                       R36
  Q415
         8-729-101-25
          8-729-101-25
                       8
                           2SC1009A
  Q416
                                                                                                                 0.50%
                                                                       R37
                                                                                               METAL CHIP 1k
                                                                                                                        1/10W
                                                                              1-216-651-11 s
  Q417
          8-729-900-36
                        8
                           DTC124ES
                           2SC1009A
                                                                              1-216-639-11 s
                                                                                               METAL CHIP 330
                                                                                                                 0.50%
                                                                                                                        1/10W
          8-729-101-25
                                                                       R38
                        8
  0501
                                                                       R39
                                                                              1-216-659-11 s
                                                                                               METAL CHIP 2.2k 0.50%
                                                                                                                       1/10W
          8-729-101-25
                          2SC1009A
  0504
                                                                                               METAL CHIP 2.2k
                                                                                                                0.50%
                                                                                                                        1/10W
                                                                       R40
                                                                              1-216-659-11 s
          8-729-101-25
                                                                              1-216-635-11 s
                                                                                               METAL CHIP 220
                                                                                                                 0.50%
  Q50 5
                        8
                           2SC1009A
                                                                       R46
                                                                                                                        1/10W
   Q508
          8-729-101-25
                        8
                           2SC1009A
                                                                              1-216-635-11 s
                                                                                                                        1/10W
                                                                       R 56
                                                                                               METAL CHIP 220
                                                                                                                 0.50%
          8-729-202-38
                           2SC3326N
   0509
                        8
                                                                       R6 9
                                                                              1-216-651-11 s
                                                                                               METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
                           2SC1009A
          8-729-101-25
                       8
   0510
                                                                              1-216-643-11 s METAL CHIP 470
                                                                                                                 0.50%
                                                                       R70
                                                                                                                        1/10W
          8-729-101-25
   Q511
                                                                              1-216-651-11 s
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
                                                                       R71
                                                                                                                        1/10W
                                                                                                METAL CHIP 220
                                                                                                                 0.50%
          8-729-900-53
                                                                       R73
                                                                              1-216-635-11 s
4) Q512
                           DTC114EK
          8-729-202-38
                           2 SC3326 N
   Q513
                        8
                                                                                                                        1/10W
                                                                                                                 0.507
                                                                       R74
                                                                              1-216-635-11 s
                                                                                               METAL CHIP 220
          8-729-202-38
                       8
                          2 SC3326 N
   0514
                                                                              1-216-687-11 s
1-216-643-11 s
                                                                                               METAL CHIP 33k
METAL CHIP 470
                                                                       R90
                                                                                                                 0.50%
                                                                                                                        1/10W
          8-729-202-38
                           2SC3326 N
   0515
                                                                                                                        1/10W
                                                                                                                 0.50%
                                                                       R91
          8-729-202-38
                       s 2SC3326N
   0516
                                                                                                METAL CHIP 22k
                                                                                                                 0.50%
                                                                       R92
                                                                               1-216-683-11 s
                                                                                                                        1/10W
                                                                       R93
                                                                              1-216-642-11 s
                                                                                               METAL CHIP 430
                                                                                                                 0.50%
                                                                                                                       1/10W
          8-729-202-38
   0517
                       8
          8-729-122-63 s
                           2 SA1 226
   Q518
                                                                                                                        1/10W
                                                                       R94
                                                                              1-216-627-11 s
                                                                                               METAL CHIP 100
                                                                                                                 0.50%
          8-729-101-25 s 2SC1009A
   Q519
                                                                       R95
                                                                              1-216-651-11 s
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
                       s 2SC1009A
s 2SC1009A
   Q520
          8-729-101-25
                          2SC1009A
                                                                       R96
                                                                              1-216-627-11 s
                                                                                               METAL CHIP 100
                                                                                                                 0.50%
                                                                                                                        1/10W
   Q521
          8-729-101-25
                                                                       R103
                                                                              1-216-675-11 s METAL CHIP 10k
                                                                                                                 0.50%
                                                                                                                        1/10W
                                                                              1-216-675-11 s METAL CHIP 10k
          8-729-101-25 s
                           2SC1009A
                                                                       R1 04
                                                                                                                 0.50%
                                                                                                                        1/10W
   Q522
          8-729-101-25 s
   Q524
                           2SC1009A
                                                                       R112
                                                                              1-216-651-11 s
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
   Q525
          8-729-101-25
                       8 2SC1009A
                                                                              1-216-687-11 s
                                                                                               METAL CHIP 33k
          8-729-101-25
                       s 2SC1009A
                                                                       R114
                                                                                                                 0.50%
                                                                                                                        1/10W
   0526
                                                                       R1 21
                                                                              1-216-644-11 s
                                                                                               METAL CHIP 510
                                                                                                                 0.50%
                                                                                                                        1/10W
          8-729-900-53
                           DTC114EK
4)
   0527
                                                                              1-216-644-11 s
                                                                                               METAL CHIP 510
                                                                       RI 22
                                                                                                                 0.50%
                                                                                                                        1/10W
                                                                              1-216-644-11 s METAL CHIP 510
   0601
          8-729-101-25 s 2SC1009A
                                                                       R1 23
                                                                                                                 0.50%
                                                                                                                        1/10W
   Q602
          8-729-101-25
                       8
                          2 SC1009A
                                                                                                                 0.50%
          8-729-101-25 s 2SC1009A
                                                                       R1 24
                                                                              1-216-651-11 s
                                                                                                METAL CHIP 1k
                                                                                                                        1/10W
   0603
          8-729-202-38 s 2SC3326N
                                                                       R1 25
                                                                              1-216-651-11 s
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
   0604
                       s 2SC3326 N
                                                                       R1 26
                                                                              1-216-651-11
                                                                                            8
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
   Q6 0 5
          8-729-202-38
                                                                       R1 27
                                                                               1-216-651-11
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                                                                                                                        1/10W
                                                                       R1 28
                                                                                                METAL CHIP 479
                                                                                                                 0.50%
                        s 2SC3326 N
                                                                                                                        1/10W
   0606
          8-729-202-38
                          2SC1009A
          8-729-101-25
   0607
                       8
                                                                       R1 29
                                                                                                                        1/10W
          8-729-101-25
                                                                              1-216-651-11 s
                                                                                                METAL CHIP 1k
                                                                                                                 0.50%
                           2SC1009A
   0608
                           2SC2223
                                                                              1-216-639-11 s
                                                                                                METAL CHIP 330
                                                                                                                 0.50%
                                                                       R130
                                                                                                                        1/10W
   Q609
          8-729-102-06
                                                                       R131
                                                                               1-216-627-11 s
                                                                                                METAL CHIP 100
                                                                                                                 0.50%
                                                                                                                        1/10W
   0610
          8-729-102-06
                       a 2SC2223
                                                                               1-216-639-11
                                                                                                METAL CHIP 330
                                                                                                                 0.50%
                                                                       R132
                                                                                           8
                                                                                                                        1/10W
                                                                       R138
                                                                              1-216-643-11 s METAL CHIP 470
                                                                                                                 0.50%
                                                                                                                        1/10W
          8-729-101-25
                           2 SC1 009A
   0701
                       8
   Q702
          8-729-122-63
                           2 SA1 226
                                                                       R1 45
                                                                              1-216-651-11 s METAL CHIP 1k
                                                                                                                        1/10W
   Q703
          8-729-122-63 s 2SA1226
                                                                                                                 0.50%
                                                                       R202
                                                                              1-216-647-11 s
                                                                                               METAL CHIP 680
                           2SC1009A
                                                                                                                 0.50%
                                                                                                                        1/10W
   0704
          8-729-101-25
                                                                                                                        1/10W
                                                                               1-216-659-11 s
                                                                                                METAL CHIP 2.2k
                                                                                                                 0.50%
          8-729-101-25
                           2 SC1009A
                                                                       R219
   0705
                                                                       R225
                                                                              1-216-690-11 s METAL CHIP 43k
                                                                                                                 0.50%
                                                                                                                        1/10W
                                                                   17) R228
                                                                              1-216-683-11 s METAL CHIP 22k
                                                                                                                 0.50%
                                                                                                                       1/10W
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	Ref.No.	Parts No.	SP	Descri	ption			Ref.No	. Parts No.	SP	Description		
18)	R228	1-216-677-11		METAT (	CHIP 12k	0.50%	1/10W	R449	1-216-624-11	8	METAL CHIP 75	A 507	1/10W
107	R229	1-216-669-11			CHIP 5.6k		1/10W	R450	1-216-623-11	8	METAL CHIP 68		1/10W
	R3 03	1-216-651-11			CHIP 1k		1/10W	R452	1-216-651-11		METAL CHIP 1k		1/10W
	R304	1-216-651-11			CHIP 1k		1/10W	R505	1-216-635-11		METAL CHIP 220		1/10W
	R305	1-216-651-11			CHIP 1k	0.50%		R526	1-216-635-11	8			1/10W
			-			0.50%	1,10"	11,720	1 110 035-11	•	IMIAN ONLI 220	0.50%	1/10#
	R306	1-216-651-11	8	METAL (	CHIP 1k	0.50%	1/10W	R541	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
	R307	1-216-651-11	8	METAL (	CHIP 1k	0.50%	1/10W	R544	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
	R308	1-216-651-11	8	METAL (	CHIP 1k	0.50%	1/10W	R546	1-216-635-11	8	METAL CHIP 220		1/10W
	R3 09	1-216-631-11			CHIP 150	0.50%	1/10W	R56 5	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
	R310	1-216-627-11	8	METAL (	CHIP 100	0.50%	1/10W	R566	1-216-643-11	8	METAL CHIP 470	0.50%	1/10W
	2011			\******									
	R311 R312	1-216-650-11			CHIP 910	0.50%	1/10W 1/10W	R567	1-216-651-11		METAL CHIP 1k	0.50%	1/10W
	R313	1-216-635-11			CHIP 220 CHIP 1k	0.50%	1/10W	R568 R569	1-216-635-11 1-216-635-11	8	METAL CHIP 220 METAL CHIP 220	0.50%	1/10W
	R314	1-216-651-11			CHIP 1k	0.50%	1/10W	R582	1-216-675-11	8	METAL CHIP 10k	0.50%	1/10W
	R315	1-216-654-11			CHIP 1.3k		1/10W	R583	1-216-675-11	8	METAL CHIP 10k	0.10%	1/10W 1/16W
		1 220 03 1 12	-			0.50%	1,10"			-		0.102	1/10#
	R316	1-216-619-11					1/10W	R591	1-216-651-11		METAL CHIP 1k		1/10W
	R317	1-216-651-11			CHIP 47		1/10W	R593	1-216-687-11	8	METAL CHIP 33k	0.50%	1/10W
	R318	1-216-627-11			CHIP 100		1/10W	R602	1-216-651-11	8	METAL CHIP 1k		1/10W
	R319	1-216-627-11			CHIP 100		1/10W	R6 06	1-216-643-11	8		0.50%	1/10W
	R3 20	1-216-651-11	8	METAL	CHIP 1k	0.50%	1/10W	R618	1-216-659-11	8	METAL CHIP 2.2k	0.50%	1/10W
	R3 21	1-216-631-11		METAL.	CHIP 150	0.50%	1/10W	R6 21	1-216-683-11		METAL CHIP 22k	0 507	1/10W
	R3 22	1-216-644-11			CHIP 510		1/10W	R6 22	1-216-690-11		METAL CHIP 43k		1/10W
	R3 23	1-218-178-11		METAL	1k		1/16W	R6 26	1-216-669-11	8	METAL CHIP 5.6k		1/10W
	R3 24	1-218-176-11		METAL	289		1/16W	R635	1-216-643-11	8	METAL CHIP 470		1/10W
	R3 27	1-216-651-11			CHIP 1k		1/10W	R6 36	1-216-646-11	8	METAL CHIP 620		1/10W
	R332	1-216-638-11					1/10W	R6 41	1-216-650-11	8	METAL CHIP 910	0.50%	1/10W
	R334	1-216-638-11			CHIP 300		1/10W	R6 42	1-216-651-11	8	METAL CHIP 1k		1/10W
	R3 37	1-216-648-11			CHIP 750	0.50%	1/10W	R6 43	1-216-683-11	8	METAL CHIP 22k		1/10W
	R3 38	1-216-629-11			CHIP 120	0.50%	1/10W	R6 44	1-216-646-11	8	METAL CHIP 620		1/10W
	R339	1-216-659-11	8	MEIAL V	CHIP 2.2k	0.50%	1/10W	R6 45	1-216-644-11	8	METAL CHIP 510	0.50%	1/10W
	R3 40	1-216-643-11	a	METAL (	CHIP 470	0.50%	1/10W	R6 46	1-216-635-11	8	METAL CHIP 220	0.50%	1/10₩
	R3 42	1-216-643-11			CHIP 470	0.50%	1/10W	R6 47	1-216-648-11	8	METAL CHIP 750		1/10W
	R3 43	1-216-659-11			CHIP 2.2k	0.50%	1/10W	R702	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
	R3 44	1-216-643-11			CHIP 470	0.50%	1/10W	R703	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
	R3 46	1-216-643-11	8	METAL (	CHIP 470	0.50%	1/10W	R704	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
	D2 57			Manage of the second		0.50*	. /1 022	7705	. 016 651 11		VERMIT		
	R3 57	1-216-655-11			CHIP 1.5k	0.50%	1/10W	R705	1-216-651-11		METAL CHIP 1k	0.50%	1/10W
	R3 58 R3 59	1-216-645-11			CHIP 560 CHIP 470		1/10W	R705	1-216-651-11	8	METAL CHIP 1k		1/10W
	R3 59	1-216-643-11			CHIP 100	0.50%	1/10W 1/10W	R707 R708	1-216-651-11 1-216-631-11	8	METAL CHIP 1k		1/10W
	R363	1-216-651-11			CHIP 1k		1/10W 1/10W	R709	1-216-627-11	8 8	METAL CHIP 150 METAL CHIP 100		1/10W
107	NJO J	1-210-031-11	•	rmini (	OHII IK	0.50%	1/10#	K/O/	1-210-02/-11		METAL CATE 100	0.50%	1/10W
	R365	1-216-643-11	8	METAL (	CHIP 470	0.50%	1/10W	R710	1-216-650-11	8	METAL CHIP 910	0.50%	1/10W
	R366	1-216-655-11	6	METAL (	CHIP 1.5k		1/10W	R711	1-216-635-11	8	METAL CHIP 220		1/10W
	R368	1-216-650-11	8	METAL (	CHIP 910	0.50%	1/10W	R712	1-216-649-11	8	METAL CHIP 820	0.50%	1/16W
	R370	1-216-650-11	8	METAL (	CHIP 910	0.50%	1/10W	R713	1-216-619-11	8	METAL CHIP 47	0.50%	1/16W
	R376	1-216-627-11	8	METAL (	CHIP 100	0.50%	1/10W	R714	1-216-619-11	8	METAL CHIP 47	0.50%	1/10W
	R377	1-216-675-11	_	METAT 4	מודם זמנ	0.50%	1/100	R715	1-216-627-11	_	METAL CUID 100	0 502	1 /1
	R401	1-216-679-11			CHIP 10k	0.50%		R716	1-216-627-11	8	METAL CHIP 100 METAL CHIP 100	0.50%	
	R402	1-216-651-11			CHIP 13k	0.50%		R717	1-216-639-11	8 8	METAL CHIP 100	0.50% 0.50%	
	R403	1-216-650-11			CHIP 910	0.50%		R718	1-216-627-11	8	METAL CHIP 100	0.50%	1/10W
	R420	1-216-651-11			CHIP 1k		1/10W	R719	1-216-649-11	8	METAL CHIP 820		1/10W
			-				-,			-			-,-0"
	R421	1-216-647-11			CHIP 680	0.50%		R7 20	1-218-177-11	8	METAL 1k	0.10%	
	R422	1-216-650-11			CHIP 910	0.50%		R7 21	1-218-175-11	8	METAL 267		1/16W
	R424	1-216-642-11			CHIP 430	0.50%		R7 22	1-216-651-11	8	METAL CHIP 1k		1/10W
	R4 26	1-216-030-00		CHIP	160		1/10W	R7 23	1-216-654-11	8	METAL CHIP 1.3k	0.50%	
	R430	1-216-658-11	8	METAL (	CHIP 2k	0.50%	1/10W	R7 2 9	1-216-647-11	8	METAL CHIP 680	0.50%	1/10W
	R432	1-216-637-11	8	METAL 6	CHIP 270	0.50%	1/10W	R738	1-216-643-11	s	METAL CHIP 470	0.50%	1/100
	R434	1-216-691-11			CHIP 47k	0.50%		R739	1-216-673-11	8	METAL CHIP 8.2k	0.50%	
	R435	1-216-691-11			CHIP 47k	0.50%		R7 40	1-216-679-11	8	METAL CHIP 15k	0.50%	
	R441	1-216-624-11			CHIP 75	0.50%		R7 41	1-216-647-11	8	METAL CHIP 680		1/10W
	R448	1-216-638-11	8		CHIP 3.00	0.50%		R7 42	1-216-638-11	8	METAL CHIP 300	0.50%	

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Ref.No. Parts No. SP Description
   Ref.No. Parts No. SP Description
                                                                      RV505 1-228-459-00 s VAR, CERMET 10k
                                             0.50% 1/10W
          1-216-638-11 s METAL CHIP 300
   R7 43
                                                                   4) RV507
                                                                            1-228-457-00
                                                                                           8
                                                                                              VAR, CERMET
                                                                                                           2k
                           METAL CHIP 300
                                             0.50% 1/10W
   R7 44
          1-216-638-11 s
                                                                            1-237-51 5-21
                                                                                              VAR, CERMET
                                                                   4) RV 508
                           METAL CHIP 300
                                             0.50%
                                                                                           8
                                                                                                           1 k
          1-216-638-11
                                                   1/10W
   R745
                        8
                                                                   4) RV509
                                                                            1-237-51 5-21
                                                                                              VAR, CERMET
                                                    1/10W
                                                                                           8
          1-216-629-11
                        8
                           METAL CHIP 120
                                             0.50%
   R7 48
                                                                                              VAR, CERMET
                                                                   4) RV510
                                                                             1-237-51 5-21
          1-216-667-11
                           METAL CHIP 4.7k
                                             0.50%
                                                    1/10W
   R7 49
                                                                   4) RV511
                                                                            1-237-51 5-21
                                                                                              VAR. CERMET
                                                                                           8
          1-216-659-11
                                                    1/10W
   R7 50
                         8
                           METAL CHIP 2.2k
                                             0.50%
                                                                                              VAR, CERMET
                                                                             1-228-457-00
                                                                                                           2k
                           METAL CHIP 910
                                             0.50%
                                                                      RV 51 2
                                                                                           8
                                                    1/10W
          1-216-650-11
   R803
                         8
                                                                             1-228-458-00
                                                                      RV601
                                                                                             VAR, CERMET
                           METAL CHIP 1k
                                                    1/10W
          1-216-651-11
   R804
                                                                      RV602
                                                                             1-228-455-00
                                                                                              VAR, CERMET
                                                                                                            500
                                                    1/10W
          1-216-624-11
                            METAL CHIP 75
                                             0.50%
   R824
                                                                      RV603
                                                                             1-228-459-00
                                                                                              VAR, CERMET
                                                                                                           10%
          1-216-615-11
                            METAL CHIP 33
                                             0.50%
                                                    1/10W
   R8 27
                                                                                              VAR, CERMET
                                                                                                           100k
                                                                      RV604
                                                                             1-228-462-00
                           METAL CHIP 10
                                             0.50%
          1-216-675-11
   RR 2 8
                        8
                                                                            1-228-460-00
                                                                      RV605
                                                                                              VAR, CERMET
          1-216-624-11
                            METAL CHIP 75
                                             0.50%
                                                    1/10W
   R835
                                                                      RV6 06
                                                                             1-228-459-00
                                                                                           s VAR, CERMET
                                                                                                           10k
          1-216-623-11
                            METAL CHIP 68
                                             0.50%
                                                    1/10W
                                                                      RV701
                                                                             1-228-460-00
                                                                                             VAR, CERMET
                                                                                                           20k
                                                                            1-228-455-00
                                                                                              VAR. CERMET
                                                                                                           500
                                                                      RV702
                                                                                              VAR, CERMET
                                                                      RV703
                                                                            1-237-516-21
   RB901 1-231-411-00 s RESISTOR BLOCK 100k
                                                                            1-228-456-00
                                                                                              VAR, CERMET 1k
                                                                      RV704
                                                                   3) RV801
                                                                            1-217-587-11
                                                                                              SHORT
                                                                                              VAR, CERMET 1k
                                                                      RV802
                                                                            1-228-456-00
                                                                                           я
                           VAR, CERMET
          1-228-458-00 s
                                         Sk
   RV1
          1-228-457-00
                           VAR, CERMET
                                         2k
   RV2
          1-228-459-00
                            VAR, CERMET 10k
   RV3
                                                                      $402
                                                                             1-552-509-00
                                                                                             DIP
                            VAR, CERMET
          1-228-456-00
                         8
                                         1 k
    RV4
                            VAR, CERMET
                                                                      S403
                                                                             1-552-509-00
                                                                                           8
                                                                                             DIP
          1-228-458-00
    RV6
                                                                             1-552-509-00
                                                                      S802
                                                                                              DIP
                                                                             1-552-509-00
                                                                      S901
           1-228-457-00
                            VAR, CERMET
                                         2k
    RV7
    RV8
          1-228-459-00
                         8
                            VAR, CERMET 10k
                            VAR, CERMET
          1-228-457-00
                                         2k
   RV9
                         8
           1-237-515-21
                            VAR, CERMET
   RV11
                                                                   1) SP101
                                                                             1-565-413-11
                                                                                              RECEPTACLE 2P
                            VAR,
4)
           1-237-515-21
                                 CERMET
                                         1 k
                                                                                          8
   RV12
                                                                   2) SP101
                                                                             1-566-385-11
                                                                                           0
                                                                                            s RECEPTACLE 2P
                                                                             1-565-413-11
                            VAR,
                                 CERMET
                                         1 k
                                                                   1) SP102
4) RV13
          1-237-515-21
                         8
                            VAR, CERMET
                                                                   2) SP102
                                                                             1-566-385-11
                                                                                              2 P
                                         1 k
          1-237-515-21
   RV14
                                                                   1) SP301
                                                                             1-565-413-11
                                                                                           8
                                                                                              RECEPTACLE 2P
           1-228-456-00
                            VAR, CERMET
    RV1 5
          1-237-51 5-21
                            VAR, CERMET
    RV1 02
                                                                   2) SP301
                                                                             1-566-385-11
                                                                                           0
           1-237-515-21
                            VAR, CERMET
                                         1 k
    RV103
                                                                   1) SP402
                                                                             1-565-413-11
                                                                                              RECEPTACLE 2P
                                                                   2) SP402
                                                                             1-566-385-11
                                                                                              2 P
                                 CERMET
    RV104 1-228-459-00
                            VAR.
                                                                             1-565-413-11
                                                                                              RECEPTACLE 2P
          1-228-456-00
                                                                   1) SP501
                            VAR, CERMET
                                                                                           8
    RV105
                                                                             1-566-385-11
           1-237-51 5-21
                            VAR, CERMET
                                         1 k
                                                                   2) SP501
                                                                                           0
                                                                                              2 P
    RV106
    RV107
           1-237-515-21
                         8
                            VAR, CERMET
                                         1 k
                                                                   1) SP502
                                                                             1-565-413-11
                                                                                              RECEPTACLE 2P
    RV201 1-228-457-11
                            VAR. CERMET
                                         2k
                                                                                               2 P
                                                                   2) SP502
                                                                             1-566-385-11
                                                                                            0
                                                                                              RECEPTACLE 2P
                            VAR, CERMET
                                                                             1-565-413-11
    RV202 1-237-535-11
                                         200
                                                                   1) SP701
                                                                                           8
                                                                             1-566-385-11
    RV203 1-228-459-00
                            VAR, CERMET
                                         10k
                                                                   2) SP701
                                                                                           0
                                                                                              2 P
                                                                   1) SP801
                                                                             1-565-413-11
                                                                                              RECEPTACLE 2P
10) RV204 1-228-461-00
                         8
                            VAR, CERMET
                                         50k
           1-228-462-00
                            VAR, CERMET
11) RV204
                                         100k
                                                                   2) SP801 1-566-385-11 o 2P
17) RV205 1-228-461-00
                            VAR, CERMET
                                         50k
18) RV205 1-228-462-00
                            VAR, CERMET
                                         100k
          1-228-459-00
                            VAR, CERMET
    RV206
                         8
                                         10k
                                                                             1-566-385-11 s
                                                                   1) $$101
                            VAR, CERMET
           1-228-459-00
                                         10k
    RV207
                         8
                                                                                              RECEPTACIE 2P
           1-228-459-00
                                                                             1-565-413-11
                                                                   2) $$101
                                                                                           я
                            VAR, CERMET
    RV301
                                                                             1-566-385-11
                                                                   1) $$301
                                                                                              2 P
    RV302 1-237-535-11
                                 CERMET
                                         200
                                                                                            8
                            VAR.
                                                                   2) $8301
                                                                             1-56 5-41 3-11
                                                                                              RECEPTACLE 2P
                                                                                           8
                                                                   1) $$402
                                                                             1-566-385-11
    RV303
           1-228-456-00
                         s VAR, CERMET
                                         1 k
           1-228-455-00
                           VAR, CERMET
                                         500
    RV304
                         8
                                                                   2) $$402
                                                                             1-565-413-11
                                                                                              RECEPTACLE 2P
           1-237-518-21
                            VAR, CERMET
                                         10k
                                                                                            8
    RV305
                                                                             1-566-385-11
           1-228-458-00
                            VAR, CERMET
                                                                   1) SS501
                                                                                            8
                                                                                               2 P
                                          5k
    RV306
           1-228-458-00
                                                                   2) SS501
                                                                             1-565-413-11
                                                                                            8
                                                                                              RECEPTACLE 2P
                                 CERMET
    RV307
                            VAR,
                                                                   1) SS701
                                                                             1-566-385-11
                                                                                            8
                                                                             1-565-413-11
                                                                                               RECEPTACLE 2P
                                                                   2) SS701
           1-228-456-00
                         s VAR. CERMET
    RV308
                                         1 k
                            VAR, CERMET
           1-228-458-00
    RV401
                         8
                                                                   1) SS801 1-566-385-11 s 2P
           1-228-462-00
                         s VAR, CERMET
                                         10k
    RV405
                                                                   2) SS801 1-565-413-11 s RECEPTACLE 2P
           1-228-456-00
                           VAR,
                                 CERMET
    RV406
 3) RV501
           1-228-455-00
                         s VAR, CERMET
                                         500
                            VAR, CERMET
 4) RV501
           1-228-457-00
                                                                      TH301 1-800-202-XX s S-10K
           1-228-459-00
                         s VAR, CERMET
                                         10k
    RV 502
                                                                      TH402
                                                                             1-800-200-00
           1-228-456-00
                           VAR, CERMET
                                                                                          s S-3K
    RV 503
                                         1 k
                                                                      TH701
                                                                             1-800-200-00
                                                                                              S-3K
 3) RV504
           1-228-455-00
                         8
                           VAR, CERMET
                                         500
          1-228-457-00
                         s VAR, CERMET
 4) RV504
```

Ref.No	· Parts No. SP	Description	Ref.No	o. Parts No.	SP	Description
DP-71		•		BOARD		
		s on the DP-71 board are supplied		<del></del>	rts	on the DP-74 board are supplied
		the key chassis ass'y.	togeth	ner when you or	der	the indication tube ass'y.
	1-622-556-11 o	PRINTED CIRCUIT BOARD, DP-71				
			C5	1-124-255-00		
D43	8-719-942-19 s	LB-402VK	C6 C8	1-124-248-00 1-124-584-00		ELECT 22 20% 35V ELECT 100 20% 10V
D44		LB-402VK	C9	1-124-584-00		
D45	8-719-942-19 B		C13	1-124-255-00	8	ELECT 1 20% 50V
D46	8-719-942-19 s	LB-402VK	C1 4	1-124-224-00	8	ELECT 47 20% 6.3V
S29		KEY BOARD KEY BOARD	CVI	1 525 000 11	_	WING WINDS
S30 S31	1-552-539-00 s 1-552-539-00 s		CN1	1-333-900-11	0	WIRE, JUMPER
			Dl	8-719-095-65		
			D2 D3	8-719-100-05 8-719-109-72		
DP-72	BOARD		D4	8-719-100-05		
			D5	8-719-100-05		
	1-622-591-12 0	PRINTED CIRCUIT BOARD, DP-72				
			101	8-759-942-62	8	MB88515B-280M (FUJITSU)
D1		TLY255	IC2			MSL917RS (OKI)
D2		TLY255				
D3 D4	8-719-800-89 s 8-719-800-89 s	TLY255 TLY255				
<b>D4</b>	0-/19-000-09	1612))	Q1	8-729-901-06	8	DTAL 44EK
			Q2	8-729-901-06		
			Q3	8-729-901-06		
			Q4	8-729-271-23		
DP-73	BOARD		Q5	8-729-271-23	В	2802/12
All th	ne component part	s on the DP-73 board are supplied				
		r the indication tube ass'y.	RV1	1-228-471-00	8	VAR, CERMET 1k
C1 01	1-124-343-11 s	ELECT 2200 20% 16V	<b>X</b> 1	1-567-143-00	8	OSCILLATOR, CERAMIC 6.00MHz
						,
L1 01	1-459-155-00 s	AS (DITU COPE)				
L1 02		45 (WITH CORE)				
			DR-56	BOARD		
		UTDE 1 10% 2V		1-622-561-12	0	PRINTED CIRCUIT BOARD, DR-56
R1 01 R1 02	1-207-620-11 s 1-532-675-21 s					
	1 332 0,3 2					
			Q1	8-729-376-83		
S1 01	1-571-258-11 s	ST.TDF	Q2 Q3	8-729-402-12 8-729-402-12		
	1-571-258-11 s		Q3 Q4	8-729-402-12		
			Q5	8-729-402-12		
			Q6	8-729-402-12	8	2SD1 276A
	•		Q7	8-729-402-12	8	2SD1276A
			Q8	8-729-376-83		
			Q9 Q10	8-729-102-57 8-729-114-11		
			•			
			Q1 1	8-729-114-11		
			Q1 2	8-729-102-57	8	2503017

```
Ref.No. Parts No. SP Description
  Ref. No. Parts No. SP Description
                                                                          R151 1-247-895-00 s CARBON 470k 5% 1/4W
  DT-13 BOARD
                                                                          R230 1-247-887-00 s CARBON 220k 5% 1/4W
          8-759-734-38 8 2764-BVW-75P V1.04DT
  TC21
                                                                           RB201 1-231-387-00 s NETTY
          A-6715-359-A o MOUNTED CIRCUIT BOARD, DT-13
                                                                          RB202
                                                                                 1-231-387-00
                                                                                                    NETTY
                                                                           RB203
                                                                                  1-232-029-11
                                                                                                 8
                                                                                                    COMPOSITION CIRCUIT BLOCK
                                                                                  1-232-235-11
                                                                                                    COMPOSITION CIRCUIT BLOCK
                                                                          RB204
                                                                          RB301 1-231-387-00 s NETTY
         1-124-236-00 s ELECT 47
   C100
                                         20% 16V
                                                                           RB302 1-231-387-00 s NETTY
          1-124-236-00
                         s ELECT
                                    47
                                         207
                                             16 V
   C101
          1-124-236-00
1-124-462-00
                         s ELECT
                                    47
                                         20%
                                             16 V
   C102
                                              16 V
                            ELECT
                                    10
                                         20%
   C21 4
                         8
          1-124-236-00
                            ELECT
                                         207
                                              16 V
   C21 5
                                                                           RV205 1-237-518-21 s VAR, CERMET 10k
                                                                           RV206 1-237-518-21 s VAR, CERMET 10k
          1-506-748-31 s DIN 96P
1-506-748-11 s DIN 96P
3) CNI
4) CN1
                                                                                  1-553-572-00 s DIP (PIANO TYPE)
                                                                           $201
                                                                           8202
                                                                                  1-552-539-00 s KEY BOARD
          8-719-911-19 s 1SS119
   D10
          8-719-911-19
                          s 188119
   D12
                                                                           X201 1-567-865-11 s VIBRATOR 12.000MHz
          8-719-911-19
                          s 1SS119
   D13
          8-719-911-19
                          s 1SS119
   D201
          8-719-101-97
                         a 1SS97-1
   D202
          8-719-911-19
   D203
           8-719-911-19
                             188119
   D204
                                                                           DT-14P BOARD
           8-719-911-19
                          s 1SS119
   D205
                             188119
   D302
           8-719-911-19
                          8
                             155119
                                                                        2) This board includes the DUS-282 board.
           8-719-911-19
   D303
                                                                                   A-6715-387-A o MOUNTED CIRCUIT BOARD, DT-14P
          8-719-800-60 s TLR214
8-719-101-97 s 1SS97-1
   D305
   D306
                                                                                                a MYLAR
                                                                                  1-136-153-00
                                                                                                               0.01
                                                                                                                       10%
                                                                                                                            50 V
                                                                           C9
                                                                                                              100pF
                                                                           C10
                                                                                   1-162-710-11
                                                                                                     CERAMIC
                                                                                                                        17
                                                                                                                             50 V
           8-759-145-58 s
                              uPC4558C (NEC)
   ICI
                                                                           C11
                                                                                   1-136-165-00
                                                                                                  s MYLAR
                                                                                                               0.1
                                                                                                                       10%
                                                                                                                             50 V
           8-759-926-65
                         8
                             SN74HC368NS (TI)
   IC3
                             uPC4558C (NEC)
NJM2903D (JRC)
                                                                           C1 2
                                                                                   1-136-153-00
                                                                                                  s MYLAR
                                                                                                               0.01
                                                                                                                       107
                                                                                                                             50 V
   104
           8-759-145-58
                         8
                                                                                                                       107
                                                                                                                             50 V
                                                                                   1-136-153-00
                                                                                                    MYLAR
                                                                                                               0.01
                                                                           C14
           8-759-729-03
   TC5
                          8
                             TC4050BF (TOSHIBA)
           8-759-200-80
    IC6
                                                                           C16
                                                                                   1-136-155-00
                                                                                                 s MYLAR
                                                                                                               0.015
                                                                                                                       10%
                                                                                                                             50 V
                                                                           C17
                                                                                   1-136-153-00
                                                                                                 8
                                                                                                     MYLAR
                                                                                                               0.01
                                                                                                                       10%
                                                                                                                             50 V
                             TC4030BFHB (TOSHIBA)
           8-759-207-74
    T C 7
                         8
                             TC4001 BF (TOSHIBA)
TC4081 BF (TOSHIBA)
TC4538BF (TOSHIBA)
                                                                                   1-162-722-11
                                                                                                     CERAMIC
                                                                                                              330pF
                                                                                                                             50 V
                                                                           C19
                                                                                                  8
                                                                                                                        17
           8-759-200-67
    IC9
                         8
                                                                                   1-136-157-00
                                                                                                     MYLAR
                                                                                                                       10%
                                                                                                                             50 V
                                                                                                               0.022
                                                                           C20
    IC10
           8-759-200-84
                          8
                                                                                                               0.01
           8-759-200-90
    ICII
                             MSM5204ARS (OKI)
           8-759-914-74
                          8
    IC15
                                                                                                     MYLAR
                                                                                                                       10%
                                                                                                                             50 V
                                                                           C22
                                                                                  1-136-153-00
                                                                                                  8
                                                                                                               0.01
                                                                                                                       10%
                                                                                   1-136-153-00
                                                                                                                             50 V
                                                                                                     MYLAR
                                                                                                               0.01
                                                                           C23
           8-759-204-71
                              TC40H163F (TOSHIBA)
                                                                                                  8
    TC19
                                                                           C24
                                                                                   1-162-710-11
                                                                                                     CERAMIC
                                                                                                              100pF
                                                                                                                        17
                                                                                                                             50 V
                              TMPZ84C011AF-6 (TOSHIBA)
           8-759-208-86
                          8
    IC20
                                                                                   1-136-153-00
                                                                                                    MYLAR
                                                                                                                             50 V
                                                                           C25
                                                                                                               0.01
                                                                                                                       107
           8-752-323-64
                              CXK 5816M-12L (SONY)
    IC22
                                                                           C26
                                                                                   1-136-165-00
                                                                                                  s MYLAR
                                                                                                               0.1
                                                                                                                       10%
                                                                                                                             50 V
                              TC40H139F (TOSHIBA)
TC40H032F (TOSHIBA)
           8-759-204-60
    IC23
           8-759-201-63
                          8
    IC24
                                                                                                     MYLAR
                                                                                                               0.01
                                                                                                                       10%
                                                                                                                             50 V
                                                                           C28
                                                                                   1-136-153-00
                                                                                                 8
                                                                           C30
                                                                                                     MYLAR
                                                                                                               0.015
                                                                                                                       10%
                                                                                                                             50 V
                              TMPZ84C30AP-6 (TOSHIBA)
           8-759-208-41
    TC26
                                                                           C31
                                                                                   1-136-159-00
                                                                                                     MYLAR
                                                                                                               0.033
                                                                                                                       10%
                                                                                                                             50 V
                              TC74HC74F (TOSHIBA)
CXD1095Q (SONY)
TL072ACP (TI)
           8-759-205-06
    1C27
                                                                           C32
                                                                                   1-136-161-00
                                                                                                  8
                                                                                                     MYLAR.
                                                                                                               0.047
                                                                                                                       10%
                                                                                                                             50 V
           8-759-938-68
    IC28
                                                                                   1-136-165-00
                                                                                                                             50 V
                                                                           C34
                                                                                                     MYLAR
                                                                                                               0.1
                                                                                                                       10%
           8-759-910-83
                          8
    IC35
           8-759-208-11
                              TC4053BFHB (TOSHIBA)
    IC37
                                                                           C35
                                                                                   1-136-159-00
                                                                                                     MYLAR
                                                                                                               0.033
                                                                                                                       10%
                                                                                                                             50 V
                                                                           C36
                                                                                   1-136-161-00
                                                                                                     MYLAR
                                                                                                               0.047
                                                                                                                       10%
                                                                                                                             50 V
           8-759-208-11 s
                              TC4053BFHB (TOSHIBA)
    IC38
                                                                           C38
                                                                                   1-130-511-91
                                                                                                 s MYLAR
                                                                                                               0.0039
                                                                                                                       10%
                                                                                                                             50 V
            8-759-145-58
                         s uPC4558C (NEC)
s TC504013BF (TOSHIBA)
    IC40
                                                                           C39
                                                                                   1-130-511-91
                                                                                                  s MYLAR
                                                                                                               0.0039
                                                                                                                       10%
                                                                                                                             50 V
           8-759-205-78
    TC42
                                                                                   1-136-153-00
                                                                                                     MYLAR
                                                                                                                       10%
                                                                           C40
                                                                                                                             50 V
                                                                                                               0.01
                                                                           C41
                                                                                   1-136-153-00
                                                                                                  8
                                                                                                     MYT.AR
                                                                                                               0.01
                                                                                                                       107
                                                                                                                             50 V
           8-729-600-27 s 2SC634SP
8-729-600-27 s 2SC634SP
                                                                           C42
                                                                                   1-136-153-00
                                                                                                 8
                                                                                                    MYT.AR
                                                                                                               0.01
                                                                                                                       10%
                                                                                                                             50 V
    0201
                                                                           C43
                                                                                                                             50 V
                                                                                   1-136-153-00
                                                                                                 s MYLAR
                                                                                                              0.01
                                                                                                                       107
    0306
                                                                                   1-136-165-00
                                                                                                    MYLAR
                                                                                                               0.1
                                                                                                                       10%
                                                                                                                             50 V
                                                                                                 8
                                                                           C49
                                                                                   1-130-511-91
                                                                                                    MYLAR
                                                                                                               0.0039
                                                                                                                       10%
```

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Ref.No. Parts No. SP Description
                                                                        Ref. No. Parts No. SP Description
   C50
                                                                         IC11
                                                                                8-759-145-58 s
                              MYLAR
                                                                                                   uPC4558C (NEC)
          1-130-511-91
                                        0.0039 10%
                                                      50 V
          1-136-153-00
                                                      50 V
                                                                                                   TC4023BF (TOSHIBA)
   C51
                              MYLAR
                                                10%
                                                                         IC12
                                                                                8-759-200-74
                                       0.01
                                                                                              8
   C52
          1-136-153-00
                              MYLAR
                                        0.01
                                                      50 V
                                                                         IC13
                                                                                8-759-200-82
                                                                                                   TC406 9UBF (TOSHIBA)
                                                10%
                                                                                                  TC4011BF (TOSHIBA)
uPC4558C (NEC)
   C53
          1-136-153-00
                          8
                              MYT.AR
                                        0.01
                                                10%
                                                      50 V
                                                                         IC14
                                                                                8-759-200-68
   C54
          1-136-153-00
                              MYLAR
                                       0.01
                                                10%
                                                      50 V
                                                                         IC1 5
                                                                                8-759-145-58
                                                                                                R
   C58
                              MYLAR
                                                107
                                                      50 V
                                                                         IC16
                                                                                                   uPC4558C (NEC)
   C59
          1-136-165-00
                          8
                             MYLAR
                                        0.1
                                                      50 V
                                                                         IC17
                                                                                8-759-145-58
                                                                                                   uPC4558C (NEC)
                                                10%
          1-136-157-00
                             MYLAR
   C76
                          8
                                       0.022
                                                10%
                                                      50 V
                                                                         IC18
                                                                                8-759-145-58
                                                                                               8
                                                                                                   uPC4558C (NEC)
          1-136-157-00
   C77
                              MYLAR
                                                      50 V
                                        0.022
                                                                                8-759-145-58
                                                10%
                                                                         IC19
                                                                                                8
                                                                                                   uPC4558C (NEC)
   C100
                              ELECT
                                                                                8-759-145-58
                                                                                                   uPC4558C (NEC)
          1-124-236-00
                                        47
                                                20%
                                                      16 V
                                                                         IC20
   C101
          1-124-236-00
                              ELECT
                                        47
                                                20%
                                                      16 V
                                                                         IC21
                                                                                8-759-200-81
                                                                                                   TC4053BF (TOSHIBA)
   C102
          1-124-236-00
                             ELECT
                                                                                                  TC4053BF (TOSHIBA)
TC4053BF (TOSHIBA)
                          8
                                        47
                                                207
                                                      16 V
                                                                         IC22
                                                                                8-759-200-81
                                                                                               8
                                                                                8-759-200-81
   C206
          1-136-153-00
                              MYLAR
                                        0.01
                                                10%
                                                      50 V
                                                                         IC23
                                                                                                8
                                                                                                  TC504013BF (TOSHIBA)
HD14538BFP (HITACHI)
   C207
           1-161-013-00
                              CERAMIC
                                        0.01
                                                10%
                                                      25V
                                                                         IC43
                                                                                8-759-205-78
   C301
          1-136-153-00
                             MYLAR
                                        0.01
                                                      50 V
                                                                         IC44
   C302
          1-136-153-00
                             MYLAR
                                        0.01
                                                10%
                                                      50 V
                                                                        TC45
                                                                                8-759-207-74
                                                                                               8
                                                                                                  TC4030BFHB (TOSHIBA)
HD14538BFP (HITACHI)
          1-124-236-00
   C304
                              ELECT
                                        47
                                                20%
                                                      16 V
                                                                         IC46
                                                                                8-759-300-78
                                                                                               8
                                                                                                  TC504013BF (TOSHIBA)
HD14538BFP (HITACHI)
   C30 5
           1-124-236-00
                              ELECT
                                        47
                                                20%
                                                      16 V
                                                                         IC47
                                                                                8-759-205-78
   C313
           1-162-714-11
                              CERAMIC 150pF
                                                                                8-759-300-78
                                                 12
                                                      50 V
                                                                         IC48
                                                                                               8
   C31 4
          1-124-234-00
                              ELECT
                                        22
                                                20%
                                                      16 V
                                                                         IC50
                                                                                8-759-200-81
                                                                                                   TC4053BF (TOSHIBA)
   C316
          1-162-726-11 s
                              CERAMIC 470pF
                                                 12
                                                                                                   TC4053BF (TOSHIBA)
CX20061 (SONY)
                                                      50 V
                                                                         TC51
                                                                                8-759-200-81
                                                                                               8
           1-136-153-00
   C317
                         8
                             MYLAR
                                                      50 V
                                        0.01
                                                10%
                                                                         IC101
                                                                                8-752-006-12
                                                                                               8
           1-136-153-00
                                                                                8-759-400-06
                                                                                                   ANGOSP (MATSUSHITA)
   C319
                              MYLAR
                                        0.01
                                                10%
                                                      50 V
                                                                         IC102
   C320
           1-136-165-00
                              MYLAR
                                                                                                   HA12411 (HITACHI)
                                        0.1
                                                10%
                                                      50 V
                                                                         IC103
                                                                                8-759-324-11
   C325
           1-130-511-91
                              MYLAR
                                        0.0039
                                                      50 V
                                                                         IC104
                                                                                8-749-909-15
                                                                                                   BX3915A (SONY)
   C329
           1-136-153-00
                         s MYLAR
                                        0.01
                                                107
                                                      50 V
                                                                         IC105
                                                                                8-759-729-03 s
                                                                                                  NJM2903D (JRC)
   C338
           1-136-157-00
                              MYLAR
                                        0.022
                                                10%
                                                      50 V
                                                                                8-759-300-78 s
                                                                                                  HD14538BFP (HITACHI)
                                                                         IC106
   C339
           1-161-013-00
                          8
                              CERAMIC 0.01
                                                      25V
                                                                        L301
                                                                                1-410-482-31 s MICRO 100
3) CN1
           1-506-748-31 s DIN 96P
                                                                        L303
                                                                                1-410-468-11 s MICRO 6.8
4) CN1
           1-506-748-11 s DIN 96P
                                                                         01
                                                                                8-729-201-04
                                                                                                  2 SC287 8
   D1
           8-719-911-19 s 1SS119
                                                                                8-729-201-04
                                                                         Q2
                                                                                                   2SC2878
   D2
           8-719-101-97
                          8
                             1SS97-1
                                                                         0301
                                                                                8-729-173-37
                                                                                                  2SA733-P
   D3
           8-719-911-19
                          s 1SS119
                                                                                8-729-266-93
                                                                        0302
                                                                                               8
                                                                                                  2 SC266 9 Y
           8-719-109-72
   D4
                          8
                              RD3.9ES-B2
                                                                                8-729-201-04
                                                                        0303
                                                                                                   2SC2878
   D5
           8-719-109-72 s
                              RD3.9ES-B2
                                                                         Q304
                                                                                8-729-266-93
                                                                                              s 2SC2669Y
   D6
           8-719-911-19
                          s 1SS119
                                                                        Q305
                                                                                8-729-201-04
                                                                                              s 2SC2878
   D7
           8-719-911-19
                              188119
                          8
                                                                         Q501
                                                                                8-729-178-54
                                                                                               s 2SC2785*(28)
   D8
           8-719-911-19
   D9
           8-719-911-19
                          s 1SS119
   D14
           8-719-911-19
                          8
                             188119
                                                                        R25
                                                                                1-247-883-00
                                                                                                   CARBON 150k
                                                                                                                  5% 1/4W
   D1 5
           8-719-911-19
                              188119
                                                                                                                  5%
5%
5%
                                                                                                                     1/4W
1/4W
                                                                        R37
                                                                                1-247-887-00
                                                                                                   CARBON 220k
   D16
           8-719-911-19
                              188119
                                                                        R38
                                                                                1-247-887-00
                                                                                                   CARBON
                                                                                                          220k
   D17
           8-719-911-19
                             155119
                                                                                1-247-885-00
                                                                                                   CARBON
                                                                                                           180k
                                                                                                                      1/4W
   D301
           8-719-911-19
                          8
                             188119
                                                                        R506
                                                                                1-247-885-00
                                                                                                   CARBON
                                                                                                          180k
   D304
           8-719-911-19
                             188119
                                                                        RV2
                                                                                1-237-520-21
                                                                                                  VAR, CERMET
                                                                                                                 50k
   IC1
           8-759-300-78 s
                             HD14538BFP (HITACHI)
                                                                        RV3
                                                                                1-237-520-21
                                                                                               8
                                                                                                  VAR, CERMET
                                                                                                                 50k
   IC2
           8-759-205-78
                             TC504013BF (TOSHIBA)
                                                                        RV4
                                                                                1-237-520-21
                                                                                               8
                                                                                                  VAR, CERMET
                                                                                                                 50k
   IC3
           8-759-145-58
                         s uPC4558C (NEC)
s uPC4558C (NEC)
                                                                        RV5
                                                                                1-237-520-21
                                                                                                  VAR. CERMET
                                                                                                                 50k
   IC4
           8-7 59-1 45-58
                                                                                1-237-518-21
                                                                                                   VAR,
                                                                                                        CERMET
                                                                                                                 10k
   IC5
           8-759-145-58 s
                             uPC4558C (NEC)
                                                                        RV7
                                                                                1-237-518-21
                                                                                                   VAR, CERMET
                                                                                                                 10k
   IC6
           8-759-145-58 s uPC4558C (NEC)
8-759-145-58 s uPC4558C (NEC)
                                                                        RV203
                                                                               1-237-521-21
                                                                                               8
                                                                                                  VAR, CERMET
                                                                                                                 100k
   IC7
           8-759-145-58
                                                                        RV304
                                                                               1-237-520-21
                                                                                               8
                                                                                                  VAR, CERMET
                                                                                                                 50k
   IC8
           8-759-145-58
                             uPC4558C (NEC)
                                                                        RV305
                                                                               1-237-521-21
                                                                                                  VAR. CERMET
                                                                                               8
                                                                                                                 100k
           8-759-300-78 s HD14538BFP (HITACHI)
8-759-300-78 s HD14538BFP (HITACHI)
   IC9
   ICI O
                                                                        SI
                                                                                1-552-509-00 s DIP
```

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Ref. No. Parts No. SP Description
                                                                    Ref.No. Parts No. SP Description
                                                                            8-729-101-68 s
                                                                                             2 SC26 54
  DT-15 BOARD
                                                                    01
                                                                            8-729-101-68
                                                                                             2SC26 54
                                                                     02
                                                                            8-729-105-97 s 2SA1156-2K
         A-6715-355-A o MOUNTED CIRCUIT BOARD, DT-15
                                                                                             2SC3632-K
                                                                            8-729-141-78
                                                                     Q8
                                                                            8-729-141-78
                                                                                          s 2SC3632-K
                                                                     Q9
                                                                            8-729-202-38
                                                                                             2SC3326 N
                                                                     Q10
                                                                            8-729-216-21 s
                                                                     Q11
                                                                            8-729-118-43 s
                                                                                             2SA1413-L
         1-533-189-11 o HOLDER, FUSE
                           HOLDER, FUSE
HOUSING 6P
                                                                            8-729-105-97
         1-533-189-11 o
                                                                     012
                                                                                         8 2SA1156-2K
                                                                                             2SC3632-K
                                                                            8-729-141-78
         1-562-151-11
                        0
                                                                     013
                        o HOUSING 12P
         1-562-157-11
                                                                            8-729-141-78 s
                                                                                             2SC3632-K
                                                                     Q14
                                                                     Q1 5
                                                                            8-729-202-38 s 2SC3326N
                                                                            8-729-216-21 s 2SA1162-Y
8-729-118-43 s 2SA1413-L
                                                                     016
         1-136-161-00 s MYLAR
                                     0.047
                                            107
                                                   50 V
                                                                     017
  CI
                       s ELECT
         1-123-321-00
                                     220
                                            207
                                                  16 V
  C2
         1-123-321-00
                        s ELECT
                                     220
                                            20%
                                                  16 V
  C3
         1-123-321-00
                           ELECT
                                     220
                                            20%
                                                   161
  C4
                                                                            1-249-457-11 s
                                                                                             CARBON 6.8
                                                                                                            5%
                                                                                                                1/4W
         1-123-321-00
                                                                     Rl
                            ELECT
                                     220
  C5
                                            20%
                                                   16 V
                                                                            1-247-700-11 s
                                                                                             CARBON
                                                                                                     100
                                                                                                            5%
                                                                                                                1/4W
                                                                     R2
                                                                                                            5% 1/4W
                                                                            1-249-457-11 s
                                                                                             CARBON
                                                                     R3
                                                                                                      6.8
         1-123-321-00 s ELECT
                                                  16 V
  C6
                                     220
                                            207
                                                                            1-247-713-11
                                                                                              CARBON
                           ELECT
         1-123-321-00
  C7
                        8
                                     220
                                            20%
                                                  16 V
                                                                     R47
                                                                            1-244-937-00
                                                                                              CARBON
                                                                                                      470k
         1-130-834-00
                           FILM
                                            10%
                                                  63V
                        8
  C8
   C9
         1-136-200-11
                           FILM
                                     0.15
                                            10%
                                                  400 V
                                                                     R52
                                                                                              METAL.
          1-136-200-11
                                            10%
                                                  400 V
                                                                            1-214-924-00
                                                                                                      300k
                                                                                                            1 Z
                                                                                                                1/2W
                                     0.15
                                                                            1-214-915-00
                                                                                              CARBON
                                                                                                      120k
                                                                                                            5%
                                                                     R54
                                                                                                                1/2W
                                                                            1-21 4-91 5-00
                                                                                              CARBON
         1-136-200-11 s
                           FILM
                                     0.15
                                            10%
                                                  4007
                                                                     R55
                                                                                                      120k
                                                                                                             5% 1/2W
   C11
         1-136-200-11
                           FILM
                                     0.15
                                            10%
                                                  400V
                                                                     R58
                                                                            1-247-755-11
                                                                                              CARBON
                                                                                                      1.8k
                                                                                                                1/2W
   C12
          1-136-200-11
                           FILM
                                            10%
                                                  4007
                                                                     R65
                                                                            1-244-937-00
                                                                                              CARBON
                                                                                                      470k
                                                                                                             5Z
                                                                                                                1/2W
   C13
          1-136-200-11
                           FILM
                                     0.15
                                            107
                                                  400 V
                                                                     R70
                                                                            1-214-924-00
                                                                                              METAL
                                                                                                      300k
                                                                                                                1/2W
   C15
          1-136-161-00
                        a MYT.AR
                                     0.047
                                            107
                                                   50 V
                                                                            1-21 4-91 5-00
                                                                                              CARBON
                                                                                                      120k
                                                                                                                1/2W
                                                                     R72
   C16
          1-136-161-00
                            MYLAR
                                     0.047
                                                   50 V
                                                                     R73
                                                                            1-214-915-00
                                                                                              CARBON
                                                                                                      120k
                                                                                                             5% 1/2W
   C43
          1-123-932-00
                            ELECT
                                     4.7
                                                  160V
                                                                     R76
                                                                            1-247-755-11
                                                                                          я
                                                                                              CARBON
                                                                                                      1.8k
                                                                                                             5Z
                                                                                                                1/2W
   C46
          1-123-932-00
                        8
                           RI.ECT
                                     4.7
                                                  160V
   CAD
          1-162-710-11
                        8
                           CERAMIC 100pF
                                             17
                                                  50 V
          1-162-710-11 s CERAMIC 100pF
                                                   50 V
                                             17
   C61
                                                                     RV2
                                                                            1-237-503-21 s VAR, CERMET 10k
          8-719-815-85 s 1S1585
   D1
          8-719-924-06
                           ERC24-06 S
                                                                     Tl
                                                                            1-448-937-11 s CONVERTER
                       8
   D2
          8-719-924-06
   D3
          8-719-924-06
                        s ERC24-06S
   D5
          8-719-924-06
                           ERC24-06 S
   D7
          8-719-100-05 s
                                                                     DUS-259 BOARD
          8-719-100-03
   D8
   Dq
          8-719-101-23
                        s 1SS123
                                                                     All the component parts on the DUS-259 board are
                           RD6.8ES-B2
   D11
          8-719-109-97
                        8
                                                                     supplied together when you order DM-56P board.
          8-719-101-23 s 1SS123
   D12
          8-719-100-03 s 1S2835
   D15
                                                                     CI
                                                                            1-107-080-00 s MICA 62pF 5% 50V
          1-532-078-00 s 250V, 1A
<u>∧</u> Fl
                                                                            1-564-783-11 o 5P
                                                                            8-729-102-07 s 2SC2223-F13
8-729-102-07 s 2SC2223-F13
          8-759-945-58 s RC4558P (RAYTHEON)
8-759-945-58 s RC4558P (RAYTHEON)
                                                                     01
   IC7
   TCS
                                                                     02
          8-759-945-58 s RC4558P (RAYTHEON)
   IC9
   1010
          8-759-945-58 s RC4558P (RAYTHEON)
          1-410-852-11 s
                           CHOKE 138
   Ll
   L3
          1-407-510-00
                            MICRO 33MMH
          1-407-510-00
                            MICRO 33MMH
   L5
          1-407-510-00
                        8
                            MTCRO 33MMH
          1-407-510-00
                           MICRO 33MMH
```

8-729-100-66 s 2SC1623 8-729-100-66 s 2SC1623

together when you order the DT-14P board.

8-759-908-92 s TL084CNS (TI)

All the component parts on the DUS-282 board are supplied

A-6724-647-A o MOUNTED CIRCUIT BOARD, DUS-282

Q607

0608

2) DUS-282 BOARD

IC53

	o. Parts No. SP	Debeliption			. Parts No.		Description			
DUS-20	9 BOARD		4)	DUS-28	B BOARD					
		on the DUS-269 board are you order the DM-56P board.			e component pa ed together wh					
					1-628-943-11	0	PRINTED CIRC	UIT BOA	RD, I	DUS-288
C625	1-126-101-11 s	ELECT 100 20% 16V								
			(	Cl	1-163-241-00	8	CERAMIC CHIP	39pF	5%	50 V
CN1	1-566-473-21 s	1P								
CN2	1-566-473-11 s									
CN3	1-566-473-21 s	1P		CN1	1-566-473-11	0	PIN, SOCKET	1 P		
CN4	1-566-473-11 s	1P	•	CN2	1-566-473-11	0	PIN, SOCKET	1 P		
L606	1-410-782-31 s	MICRO 100	ı	CV1	1 -1 41 -26 0-00	8	TRIMMER, CER	AMIC 30	рF	
Q1	8-729-101-25 s			Q1	8-729-109-43	8	2SK94-X3			
Q2	8-729-101-25 s	2SC1009A								
R1	1-214-451-11	METAL CHIP 10k 0.50% 1/10W		R1	1-216-683-11	8	METAL CHIP 2	2k 0.5	0% 1	l/10W
R2		METAL CHIP 910 0.50% 1/10W								
R3		METAL CHIP 10k 0.50% 1/10W								
				EN-48 P	BOARD					
RV1	1-228-457-11 s	VAR, CERMET 2k			A-6711-891-A	o	MOUNTED CIRC	UIT BOA	RD, 1	EN-48 P
				С6	1-124-584-00		ELECT	100	20%	10V
DUS-2	70 BOARD			C8	1-124-584-00			100	20%	107
	<del></del>			C1 2	1-124-222-00			22		6.3V
		s on the DUS-270 board are supplied		C13 C14	1-124-462-00			10		6.3V
suppl	led together when	you order the VO-18AP board.		U1 4	1-124-584-00	8	BLEUI	100	20%	10V
				C16	1-124-584-00			100	20%	10V
				C21	1-124-584-00	-		100	20%	10V
C655	1-124-222-00 s	ELECT 22 20% 6.3V		C22	1-124-584-00	-		100	20%	10V
				C41	1-162-886-21			390 pF	5%	50 V
				C43	1-124-236-00	8	ELECT	47	20%	107

C46

C48

C51

C53

C55

C56

C59

C61

C64

C68

C70

C71

C77

C81

C85

C86

C89

C92

1-124-236-00

1-124-236-00

1-124-584-00

1-124-584-00

1-163-033-00

1-124-236-00

1-124-236-00

1-163-033-00

1-162-880-21

1-124-584-00

1-124-236-00

1-162-877-21

1-124-584-00

1-124-584-00

1-124-236-00

1-162-886-21

1-161-463-00

1-124-584-00

1-124-584-00

1-124-225-00

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CERAMIC

CERAMIC

8

8

8

47

47

100

100

47

120pF

100

82 pF

100

100

47

390 pF

220 pF

100

100

CERAMIC CHIP 0.022

CERAMIC CHIP 0.022

20%

20%

20%

20%

20%

5%

20%

20%

5%

20%

20%

20%

5%

57 207 207 107

10V

107

107

50 V

16 V

16 V

50 V

507

10V

10V

50 V

107

107

107

50 V

50 V 10 V

107

```
Ref.No. Parts No. SP Description
  Ref. No. Parts No. SP Description
                                                                     IC25
                                                                            8-759-922-49 s SN74LS74ANS (TI)
         1-124-584-00 s ELECT
                                         100
                                                 20%
                                                       10V
  C115
                                                                     IC26
                                                                            8-759-941-17 s
                                                                                              SN74LSO6NS (TI)
  C117
         1-124-584-00
                        8
                            ELECT
                                         100
                                                 20Z
                                                       107
                                                                            8-759-907-81 s
                                                 20%
                                                                                              SN74LS221NS (TI)
                                                      6.3V
                                                                     IC27
         1-124-225-00
                           ELECT
                                         100
  C118
                         8
                                                                             8-759-922-49
                                                                                          s SN74LS74ANS (TI)
                                                                     IC31
          1-124-584-00
                         8
                            ELECT
                                         100
                                                 20%
                                                       100
  C1 26
                                                                             8-759-907-81 s
                                                                                              SN74LS221NS (TI)
                                                                     IC32
         1-124-584-00
                            ELECT
                                         100
                                                       107
  C130
                                                                             8-759-907-81
                                                                     IC33
                                                                                              SN74LS221NS (TI)
                                                      6.3V
         1-124-225-00
                            ELECT
                                         100
                                                 207
   C134
                                                                                              TC74HC74F (TOSHIBA)
MC34182M (MOTOROLA)
          1-124-584-00
                            ELECT
                                         100
                                                 20%
                                                       107
                                                                     IC34
                                                                             8-759-205-06 B
  C203
                         8
                                                                             8-759-030-16 s
                                                       107
                                                                     IC35
          1-124-584-00
                        s ELECT
                                         100
                                                 20%
   C204
                                                                             8-759-907-81 s
                                                                                              SN74LS221NS (TI)
                                                                     IC36
          1-163-033-00
                            CERAMIC CHIP 0.022
                                                       50 V
   C21 4
                                                                             8-759-929-99
                                                                                              SN74LS32NS (TI)
                            CERAMIC CHIP 0.022
                                                                     IC37
          1-163-033-00
                         A
                                                       50 V
   C216
                                                                             8-759-009-07 s
                                                                     TC38
                                                                                              MC14053BF (MOTOROLA)
                            ELECT
                                          100
                                                       10V
          1-124-584-00
   C350
                                                                             8-759-239-58
                                                                                              TC74HC221AF (TOSHIBA)
          1-124-584-00
                            ELECT
                                          100
                                                 20%
                                                       107
                                                                     IC39
                                                                                          8
   C357
                                                                             8-759-014-29
                                                                                          8
                                                                                              MC34184M (MOTOROLA)
                                                                     IC50
          1-124-225-00
                         8
                           ELECT
                                         100
                                                 20%
                                                      6.37
   C400
                                                                                              CX20158 (SONY)
                                                                             8-759-015-81
                                                                     IC51
   C503
          1-124-462-00
                         8
                           ELECT
                                         10
                                                 207
                                                      6.37
                                                                                              CIRCUIT UNIT, VA
                                                                     IC52
                                                                             1-464-601-11 s
                                          100
          1-124-584-00
                            ELECT
                                                 20%
                                                       107
   C506
                                                                             8-752-015-81 s CX20158 (SONY)
                                                                     IC53
   C507
          1-124-584-00
                            ELECT
                                          100
                                                 20%
                                                       107
                         8
                                                                             8-759-009-07 s
                                                                                              MC14053BF (MOTOROLA)
                                                                     IC54
          1-161-463-00
                            CERAMIC
                                          220 pF
                                                  5%
                                                       50 V
   C508
                                                                     IC55
                                                                             1-464-601-11 s
                                                                                              CIRCUIT UNIT, VA
          1-124-462-00
                         s ELECT
                                         10
                                                 20% 6.3V
   C603
                                                                     IC56
                                                                             8-759-009-07
                                                                                          8
                                                                                              MC14053BF (MOTOROLA)
                                                 207
                                                       10V
          1-124-236-00
                         8
                           ELECT
                                          47
   C604
                                                                                              CIRCUIT UNIT, VA
                                                                     IC60
                                                                             1-808-743-11 a
                                                  5%
                                                       50 V
                         s CERAMIC
                                          220 pF
          1-161-463-00
   C613
                                                                     IC70
                                                                             8-759-030-16 s MC34182M (MOTOROLA)
          1-124-584-00 s ELECT
                                          100
                                                 20%
                                                       10V
   C711
                                                                                              CX20158 (SONY)
CX20158 (SONY)
                                                                             8-752-015-81 s
                                                                     IC71
                                                                     IC72
                                                                             8-752-015-81 s
                                                                     IC101
                                                                             8-759-708-09
                                                                                           8
                                                                                             NJM78LO9A (JRC)
                                                                     IC102 8-759-700-65 s NJM79LO5A (JRC)
3) CN102 1-506-748-31 s DIN 96P
4) CN102 1-506-748-11 s DIN 96P
                                                                                              S-81230AG (SEIKO I AND E)
S-80230AG (SEIKO I AND E)
                                                                      IC103
                                                                             8-759-937-61
                                                                     IC104
                                                                             8-759-941-79
                                                                                           8
                                                                                              TL431CLP (TI)
                                                                     IC105
                                                                             8-759-908-15
                                                                                           8
                                                                                              NJM78LO5A (JRC)
                                                                             8-759-708-05
          8-719-100-03 s 1S2835
                                                                     IC106
                                                                                           8
   D1
                                                                             8-759-708-08 s NJM78L08A (JRC)
                                                                      IC107
                                                                     TC108
                                                                             8-759-700-65 s
                                                                                              NJM79LO5A (JRC)
                                                                                              NJM79LO8A (JRC)
NJM78LO5A (JRC)
          1-415-538-11 s ACTIVE 100ns
                                                                     IC109
                                                                             8-759-700-67
                                                                                           8
                                                                             8-759-708-05
                                                                     IC110
                                                                                           8
                                                                      IC111
                                                                             8-759-708-08
                                                                                              NJM78LO8A (JRC)
                                                                             8-759-700-65
                                                                                              NJM79LO5A (JRC)
                                                                     IC112
          1-236-004-11 s LOW-PASS 2.5MHz
   FLI
                                                                     IC113
                                                                                              NJM79LO8A (JRC)
                                                                             8-759-700-67 s
          1-236-004-11 s LOW-PASS 2.5MHz
   FL2
                                                                     IC114
                                                                             8-759-908-15
                                                                                              TL431CLP (TI)
                                                                                          8
   FL3
          1-236-530-11 s BANDPASS 4.43MHz
                                                                      IC115 8-759-700-67
                                                                                              NJM79L08A (JRC)
          1-236-120-11 s BANDPASS 4-43MHz
                                                                             8-759-708-05 s NJM78L05A (JRC)
8-759-700-65 s NJM79L05A (JRC)
                                                                     IC116
                                                                     IC117
                                                                                               MC10H1 24M (MOTOROLA)
                                                                     IC201
                                                                             8-759-012-02
   ICI
          8-759-014-29 s MC34184M (MOTOROLA)
                            CIRCUIT UNIT, VA
MC14053BF(MOTOROLA)
                                                                     IC202
                                                                             8-759-012-03
                                                                                              MC10H131M (MOTOROLA)
          1-808-743-11
   IC2
                         8
                                                                     IC203 8-759-011-98
                                                                                           8
                                                                                              MC10H113M (MOTOROLA)
          8-759-009-07
   IC3
                         8
                            CX22017 (SONY)
CX20158 (SONY)
                                                                             8-752-306-51
                                                                                              CX2306 5A (SONY)
                                                                     IC204
                                                                                           8
          8-759-906-59
                        8
   IC4
                                                                     IC206
                                                                             8-759-930-56 s
                                                                                              SN74LS163ANS (TI)
          8-752-053-97
   IC5
                                                                             8-759-700-95 s
                                                                      IC501
                                                                                              NJM1496M (JRC)
                            MC34182M (MOTOROLA)
          8-759-030-16 s
   IC6
                                                                     IC601
                                                                             8-759-700-95
                                                                                              NJM1496M (JRC)
          8-759-012-02
                            MC10H124M (MOTOROLA)
   IC10
                        8
                                                                                           s MC74HC123AF (MOTOROLA)
          8-759-012-03
                            MC10H131M (MOTOROLA)
                                                                     IC701
                                                                             8-759-008-52
   ICII
                                                                                              SN74LS123NS (TI)
                                                                      IC702
                                                                             8-759-902-88
          8-759-929-73
                            SN74LSOONS (TI)
                                                                                           8
                                                                                              MC34182M (MOTOROLA)
          8-759-011-98
                        s MC10H113M (MOTOROLA)
                                                                     IC703
                                                                             8-759-030-16
   IC13
                                                                     IC704 8-759-922-49 s SN74LS74ANS (TI)
IC705 8-759-030-16 s MC34182M (MOTOROLA)
          8-759-204-96
                            TC74HC04F (TOSHIBA)
    TC14
                            MC74HC11F (MOTOROLA)
          8-7 59-007-50
    IC15
           8-759-922-49
                        8
                            SN74LS74ANS (TI)
    IC16
          8-759-908-17 s
                            TLO82CPS (TI)
    IC17
          8-759-008-52 s MC74HC123AF (MOTOROLA)
    TC18
                                                                     1.13
                                                                             1-410-478-11 s MICRO 47
          8-759-907-81 s
                                                                     L1 4
                                                                             1-410-478-11
                                                                                           s MICRO 47
                            SN74LS221NS (TI)
    IC19
                                                                      L16
                                                                             1-410-478-11
                                                                                              MICRO 47
           8-752-306-51 s
                            CX23065A (SONY)
    IC20
                                                                             1-410-478-11
                                                                      L17
                                                                                           8
                                                                                              MICRO 47
           8-759-929-78 s
    IC21
                            SN74LS04NS (TI)
                                                                      L18
                                                                             1-410-478-11 s MICRO 47
    IC22
                            SN74LS163ANS (TI)
           8-759-930-56
           8-759-941-27
                            MB4002PF (FUJITSU)
    TC24
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Ref.No	. Parts No.	SP	Description			Ref.No	. Parts No.	SP	Description		
L19	1-410-478-11		MICRO 47			R40	1-216-639-11	_	METAL CHIP 330	0 504	1 /1 017
L20	1-410-470-11	8	MICRO 10			R41					1/10W
			MICRO 10				1-216-659-11	8			1/10W
L21	1-410-470-11					R42	1-216-654-11		METAL CHIP 1.3k	0.50%	1/10W
L22	1-410-478-11	8				R48	1-216-645-11	8	METAL CHIP 560	0.50%	1/10W
IT 00	1-421-329-00	8	CHOKE			R49	1-216-687-11	8	METAL CHIP 33k	0.50%	1/10W
L101	1-421-329-00	8	CHOKE			neo	1 - 216 6 97 11	_	MODEL TO AND AND		4.74.444
	1-421-329-00		CHOKE			R52	1-216-687-11	8	METAL CHIP 33k	0.50%	1/10W
L102			CHOKE			R53	1-216-645-11	8	METAL CHIP 560	0.50%	1/10W
L103	1-421-329-00		CHOKE			R54	1-216-615-11	8		0.50%	1/10W
L104	1-421-329-00		MICRO 10			R55	1-216-627-11	8		0.50%	1/10W
L3 50	1-410-470-11	8	MICKO IO			R56	1-216-641-11	8	METAL CHIP 390	0.50%	1/10W
T 2 E 1	1 410 470 11	_	MICRO 10			D 5.7	1 016 601 11		100mir 00170 1.54		
L3 51 L3 52	1-410-470-11 1-410-468-00		MICRO 6.8			R57	1-216-631-11		METAL CHIP 150	0.50%	1/10W
L501						R58	1-216-619-11	8	METAL CHIP 47	0.50%	1/10W
	1-410-482-31		MICRO 100			R59	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
1601	1-410-482-11					R60	1-216-687-11	8	METAL CHIP 33k	0.50%	1/10W
1.602	1-410-478-11	8	MICRO 47			R61	1-216-645-11	8	METAL CHIP 560	0.50%	1/10W
1603	1-410-478-11		MICRO 47			R6 2	1-216-627-11		WETAT OUTD IOO		1 /1 011
1003	1-410-478-11	•	HICKO 4/			R6 4	1-216-646-11		METAL CHIP 100	0.50%	1/10W
						R6 5		8	METAL CHIP 620	0.50%	1/10W
							1-216-634-11	8	METAL CHIP 200	0.50%	1/10W
01	9-710-201-27	8	2SC2715-Y			R70	1-247-887-11	8		5%	1/4W
Q1	8-729-201-27		25A1122			R71	1-216-631-11	8	METAL CHIP 150	0.50%	1/10W
Q2	8-729-312-22		2SC2223			D72	1 016 601 11		100011 0110 10A		
Q3	8-729-102-07		2SC2715-Y			R72	1-216-631-11		METAL CHIP 150		1/10W
Q4	8-729-201-27		2SC2223			R73	1-216-641-11		METAL CHIP 390	0.50%	1/10W
Q5	8-729-102-07	8	2302223			R7 4	1-216-619-11	8	METAL CHIP 47	0.50%	1/10W
Λ6	8-729-201-27	8	2SC2715-Y			R7 5	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
Q6						R77	1-216-631-11	8	METAL CHIP 150	0.50%	1/10W
Q7	8-729-312-22		2SA1122 2SC2715-Y			-01					_
Q8	8-729-201-27		2SC2715-Y			R86	1-216-646-11		METAL CHIP 620		1/10W
Q9	8-729-201-27		2SC2715-Y			R87	1-216-673-11	8	METAL CHIP 8.2k	0.50%	1/10W
Q1 0	8-729-201-27	•	2302/13-1			R96	1-216-639-11	8	METAL CHIP 330		1/10W
011	0 700 001 07	_	2002715 V			R97	1-216-645-11	8	METAL CHIP 560		1/10W
Q11	8-729-201-27		2SC2715-Y			R98	1-216-639-11	8	METAL CHIP 330	0.50%	1/10W
Q1 2	8-729-102-07		2SC2223								
Q1 3	8-729-312-22		2SA1122			R99	1-216-645-11	8	METAL CHIP 560		1/10W
Q1 4	8-729-312-22		2SA1122			R1 00	1-216-655-11	8	METAL CHIP 1.5k		1/10W
Q1 5	8-729-102-06	8	2SC2223	1		R1 01	1-216-638-11	8	METAL CHIP 300	0.50%	1/10W
01.6	0 700 100 (7	_	0.041.000			R1 02	1-216-665-11	8	METAL CHIP 3.9k	0.50%	1/10W
Q16	8-729-122-63		2 SA1 226			R1 03	1-216-675-11	8	METAL CHIP 10k	0.50%	1/10W
Q17	8~729-102-06		2SC2223			-10/					
Q1 8	8-729-201-26		2SC2715			R104	1-216-659-11		METAL CHIP 2.2k		1/10W
Q2 5	8-729-201-27		2SC2715-Y 2SC2715-Y			R1 0 5	1-216-681-11		METAL CHIP 18k		1/10W
Q6 01	8-729-201-27	8	2302/13-1		•	R1 06	1-216-685-11	8	METAL CHIP 27k		1/10W
Q6 0 2	8-729-312-22		2SA1122			R107	1-216-660-11	8	METAL CHIP 2.4k		1/10W
Q6 03	8-729-201-27		.2SC2715-Y			R1 08	1-216-659-11	8	METAL CHIP 2.2k	0.50%	1/10W
Q604	8-729-201-27		2SC2715-Y			R119	1-216 660 11	_	WEEKI OUTD 5 (1		
Q605	8-729-201-27		2SC2715-Y				1-216-669-11	8	METAL CHIP 5.6k		1/10W
QUUJ	0-/23-201-2/	•	2502/13-1				1-216-669-11	8		0.50%	1/10W
							1-216-683-11	8	METAL CHIP 22k	0.50%	1/10W
								8	METAL CHIP 470	0.50%	1/10W
R3	1-216-639-11	a	METAL CHIP 330	0.507	1/10W	R1 23	1-216-671-11	8	METAL CHIP 6.8k	0.50%	1/10W
R4	1-216-639-11		METAL CHIP 330		1/10W	R1 24	1-216-671-11	_	METAL CUITO 4 01	0 504	1 /1 011
R5	1-216-659-11	8	METAL CHIP 2.2k	0.50%	1/10W		1-216-663-11		METAL CHIP 6.8k		1/10W
R6	1-216-654-11		METAL CHIP 1.3k		1/10W		1-216-692-11		METAL CHIP 3.3k	0.50%	
R1 4	1-216-687-11		METAL CHIP 33k		1/10W			8	METAL CHIP 51k		1/10W
~~ 7	- 210-007-11			0.50%	1/10		1-216-675-11 1-216-675-11	8	METAL CHIP 10k	0.50%	1/10W
R1 5	1-216-645-11	8	METAL CHIP 560	0.507	1/10W		1 210-0/ )-11	8	METAL CHIP 10k	0.50%	1/10W
RI 8	1-216-638-11		METAL CHIP 300		1/10W	R1 56	1-216-670-11	_	METAL CUTH 151	0 50=	1/100
R22	1-216-636-11		METAL CHIP 510		1/10W		1-216-679-11 1-216-667-11		METAL CHIP 15k	0.50%	
R23	1-216-644-11		METAL CHIP 510		1/10W		1-216-673-11	8	METAL CHIP 4.7k	0.50%	1/10W
R27	1-216-643-11		METAL CHIP 470		1/10W		1-216-693-11	8	METAL CHIP 8.2k METAL CHIP 56k	0.50%	1/10W
	- MIO OTO 11	•		U . JU M	1/10M		1-216-682-11	8	METAL CHIP 36k		1/10W
R29	1-216-641-11	s	METAL CHIP 390	0.507	1/10W	.403	7 -210002-11	8	HELLE OUTL TOK	0.50%	1/10W
R30	1-216-649-11		METAL CHIP 820		1/10W	R164	1-216-679-11	-	METAL CUID 151-	0 504	1 /1 017
R31	1-216-651-11		METAL CHIP 1k		1/10W		1-216-683-11	8	METAL CHIP 15k	0.50%	
R33	1-216-654-11		METAL CHIP 1.3k	0.50%			1-216-699-11	8 8	METAL CHIP 22k	0.50%	1/10W
R39	1-216-639-11		METAL CHIP 330		1/10W		1-216-667-11		METAL CHIP 100k		1/10W
,	410 -037-11	•		0.00%	1/10#		1-216-683-11	8	METAL CHIP 4.7k METAL CHIP 22k		1/10W
							7 710-003-11	8	BELLE CUIL TYK	0.50%	1/10M

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SP Description
                                                                        Ref. No. Parts No. SP Description
  Ref.No. Parts No.
                                                                               1-216-651-11 s
                                             0.50% 1/10W
                                                                        R613
                                                                                                 METAL CHIP 1k
         1-216-687-11
                            METAL CHIP 33k
                                                                                                                  0.50% 1/10W
                            METAL CHIP 560
                                              0.50% 1/10W
                                                                        R614
                                                                               1-216-659-11
                                                                                                 METAL CHIP 2.2k
                                                                                                                  0.50% 1/10W
          1-216-645-11
                                                                                              8
                                             0.50% 1/10W
  R182
         1-216-627-11
                            METAL CHIP 100
                                                                        R615
                                                                               1-216-651-11
                                                                                              8
                                                                                                 METAL CHIP 1k
                                                                                                                  0.50% 1/10W
                         8
                                                                               1-216-651-11
          1-216-627-11
                            METAL CHIP 100
                                             0.50% 1/10W
                                                                                                 METAL CHIP 1k
  R183
                         8
                                                                        R617
                                                                                              8
                                                                                                                  0.50% 1/10W
                            METAL CHIP 22
          1-216-611-11
                                                                        R619
                                                                               1-216-651-11
                                                                                                 METAL CHIP 1k
                                              0.50% 1/10W
                                                                                                                  0.50% 1/10W
  R187
   R188
                            METAL CHIP 47
                                              0.50%
                                                    1/10W
                                                                        R620
                                                                                                 METAL CHIP 6.8k
                                             0.50% 1/10W
0.50% 1/10W
                                                                                                                  0.50%
   R189
          1-216-638-11
                            METAL CHIP 300
                                                                        R6 21
                                                                               1-216-634-11
                                                                                              8
                                                                                                 METAL CHIP 200
                                                                                                                          1/10W
  RI 90
          1-216-638-11
                            METAL CHIP 300
                                                                        R6 22
                                                                               1-216-666-11
                                                                                              8
                                                                                                 METAL CHIP 4.3k
                                                                                                                  0.50% 1/10W
                         8
          1-216-649-11
                            METAL CHIP 820
                                              0.50%
                                                                        R701
                                                                               1-216-675-11
                                                                                                 METAL CHIP 10k
   R191
                         8
                                                    1/10W
                                                                                              8
                                                                                                                  0.50% 1/10W
          1-216-619-11
                            METAL CHIP 47
                                                    1/10W
                                                                                                 METAL CHIP 10k
                                              0.50%
                                                                        R702
                                                                               1-216-675-11
                                                                                                                  0.50% 1/10W
   R192
                                                                                                                  0.50%
                            METAL CHIP 22
                                              0.50% 1/10W
                                                                        P703
                                                                               1-216-661-11
                                                                                                 METAL CHIP 2.7k
   R193
          1-216-611-11
                                                                                                                          1/10W
          1-216-649-11
                                                                               1-216-655-11
   R195
                         8
                            METAL CHIP 820
                                              0.50% 1/10W
                                                                        R704
                                                                                              8
                                                                                                 METAL CHIP 1.5k
                                                                                                                  0.50% 1/10W
                            METAL CHIP 820
                                                                        R705
                                                                               1-216-685-11
                                                                                                 METAL CHIP 27k
                                              0.50% 1/10W
          1-216-649-11
                                                                                              8
                                                                                                                  0.50% 1/10W
   R196
                                                                                                 METAL CHIP 680
          1-216-649-11
                            METAL CHIP 820
                                              0.50%
                                                                        R706
                                                                                1-216-647-11
                                                                                                                  0.50% 1/10W
                                                     1/10W
   R210
                                                                                                 METAL CHIP 15k
          1-216-649-11
                                                                                1-216-679-11
                                                                                                                   0.50%
                            METAL CHIP 820
                                              0.50%
                                                     1/10W
                                                                        R707
                                                                                                                          1/10W
   R211
                                                                        R708
                                                                                                 METAL CHIP 470
          1-216-629-11
                                                                               1-216-643-11 s
                                                                                                                  0.50%
                                                                                                                         1/10W
   R21 2
                         8
                            METAL CHIP 120
                                              0.50% 1/10W
                                                                                              8
                                                                                                 METAL CHIP 2.7k
                            METAL CHIP 120
                                                                        R709
                                                                               1-216-661-11
                                                                                                                  0.50%
                                                                                                                         1/10W
   R213
          1-216-629-11
1-216-669-11
                         8
                                              0.50%
                                                    1/10W
                            METAL CHIP 5.6k
                                                                               1-216-667-11
                                                                                                 METAL CHIP 4.7k
                                                                                                                  0.50% 1/10W
                                              0.50%
                                                     1/10W
                                                                        R710
   R232
                                                                                1-216-683-11
                                                                                                                  0.50% 1/10W
          1-216-657-11
                            METAL CHIP 1.8k
                                              0.50%
                                                                        R711
                                                                                                 METAL CHIP 22k
   R234
                            METAL CHIP 3.3k
                                              0.507
                                                                        R712
                                                                               1-216-651-11
                                                                                                 METAL CHIP 1k
                                                                                                                  0.50% 1/10W
3) R235
          1-216-663-11
                                                     1/10W
                            METAL CHIP 3.9k
                                              0.50%
                                                     1/10W
                                                                        R713
                                                                               1-216-679-11 s
                                                                                                 METAL CHIP 15k
                                                                                                                  0.50%
                                                                                                                          1/10W
          1-216-665-11
4) R235
                         8
          1-216-668-11
                            METAL CHIP 5.1k
                                                                               1-216-643-11
                                                                                                 METAL CHIP 470
                                                                                                                  0.50% 1/10W
                                              0.50%
                                                     1/10W
                                                                        R714
   R236
                            METAL CHIP 22k
                                              0.50%
                                                     1/10W
                                                                        R719
                                                                               1-216-667-11
                                                                                              8
                                                                                                 METAL CHIP 4.7k
                                                                                                                  0.50% 1/10W
   R237
          1-216-683-11
          1-216-643-11
                            METAL CHIP 470
                                              0.50% 1/10W
                                                                        R7 21
                                                                               1-216-681-11
                                                                                              8
                                                                                                 METAL CHIP 18k
                                                                                                                  0.50% 1/10W
                                                                               1-216-655-11
   R239
          1-216-667-11
                         8
                            METAL CHIP 4.7k
                                              0.50% 1/10W
                                                                        R722
                                                                                                 METAL CHIP 1.5k
                                                                                                                  0.50% 1/10W
                            METAL CHIP 51k
                                              0.50%
                                                                        R723
                                                                               1-216-679-11 s METAL CHIP 15k
                                                                                                                  0.50% 1/10W
   R244
          1-216-692-11
                            METAL CHIP 1k
                                              0.50%
                                                                               1-216-643-11 s METAL CHIP 470
                                                                                                                  0.50% 1/10W
   R3 50
          1-216-651-11
                                                     1/10W
                                                                        R724
   R351
          1-216-651-11
                         8
                            METAL CHIP 1k
                                              0.50% 1/10W
   R352
          1-216-651-11
                         8
                            METAL CHIP 1k
                                              0.50%
                                                     1/10W
          1-216-649-11
                            METAL CHIP 820
                                              0.50% 1/10W
   R353
                         8
                                                                        RV1
                                                                               1-237-512-21
                                                                                                 VAR, CERMET
                                                                                                                 100
                                                                                             8
                                              0.50%
                                                     1/10W
                                                                               1-237-503-21
   R354
                            METAL CHIP 1k
                                                                        RV2
                                                                                                 VAR, CERMET
                                                                                                                  10k
          1-216-651-11
                         8
                            METAL CHIP 1k
                                              0.50% 1/10W
                                                                        RV4
                                                                               1-237-514-21
                                                                                                 VAR, CERMET
                                                                                                                  500
   R355
                                                                               1-237-514-21
   R3 56
          1-216-649-11
                         8
                            METAL CHIP 820
                                             0.50% 1/10W
                                                                        RV 5
                                                                                                 VAR, CERMET
                                                                                                                  500
                                                                                              8
                                              0.50%
                                                                               1-237-503-21
   R357
          1-216-651-11
                            METAL CHIP 1k
                                                     1/10W
                                                                        RV6
                                                                                                 VAR. CERMET
                                                                                                                 10k
          1-216-651-11
                            METAL CHIP 1k
                                              0.50%
   R358
                                                                        RV7
                                                                               1-237-514-21
                                                                                                 VAR, CERMET
                                                                                                                  500
                                                                                                                 1 k
   R359
          1-216-627-11
                            METAL CHIP 100
                                              0.50% 1/10W
                                                                        RV1 2
                                                                               1-237-515-11
                                                                                              8
                                                                                                 VAR, CERMET
                         8
                            METAL CHIP 2.2k
                                             0.50% 1/10W
                                                                               1-237-518-21
          1-216-659-11
                                                                        RV13
                                                                                                 VAR, CERMET
   R360
                         8
                                                                                              8
                                                                                                                 10k
                            METAL CHIP 10k
                                              0.50% 1/10W
                                                                        RV14
                                                                               1-237-514-21
                                                                                                 VAR, CERMET
   R501
          1-216-675-11
                         8
                                                                                                                  500
   R503
          1-216-651-11
                            METAL CHIP 1k
                                              0.50%
                                                     1/10W
                                                                        RV17
                                                                                1-237-518-21
                                                                                                 VAR, CERMET
   R50 5
          1-216-651-11
                            METAL CHIP 1k
                                              0.50%
                                                     1/10W
                                                                        RV19
                                                                               1-237-517-21
                                                                                              8
                                                                                                 VAR. CERMET
                                                                                                                 5k
          1-216-627-11
                            METAL CHIP 100
                                              0.50%
                                                     1/10W
                                                                        RV20
                                                                               1-237-516-21
                                                                                                 VAR, CERMET
   R508
                         8
                                                                                              8
                                                                                                                 2k
                            METAL CHIP 10k
          1-216-675-11
                                              0.50% 1/10W
                                                                        RV21
                                                                               1-237-518-21
                                                                                                 VAR, CERMET
                                                                                                                 10k
   R509
                            METAL CHIP 10k
                                              0.50% 1/10W
                                                                               1-237-517-21
                                                                                                 VAR, CERMET
   R510
          1-216-675-11
                                                                        RV22
           1-216-627-11
                                              0.50%
                                                                        RV25
                            METAL CHIP 100
                                                     1/10W
                                                                               1-237-519-21
                                                                                                 VAR, CERMET
                                                                                                                 20k
   R511
          1-216-671-11
                            METAL CHIP 6.8k
                                              0.50% 1/10W
   R51 2
                                                                               1-273-520-21
                                                                        RV26
                                                                                                 VAR, CERMET
                                                                                                                 50k
                                                                                              8
          1-216-651-11
   R513
                            METAL CHIP 1k
                                              0.50%
                                                     1/10W
                                                                        RV27
                                                                               1-237-518-21
                                                                                                 VAR, CERMET
                                                                                                                 10k
                        8
                                                                                              8
                            METAL CHIP 2.2k
                                              0.50% 1/10W
                                                                        RV28
                                                                               1-237-517-21
                                                                                                 VAR, CERMET
   R51 4
          1-216-659-11
                                                                               1-237-503-21
          1-216-649-11
                         8
                            METAL CHIP 820
                                              0.50% 1/10W
                                                                        RV30
                                                                                              8
                                                                                                 VAR, CERMET
                                                                                                                 10k
   R522
                                                                               1-237-503-21
                            METAL CHIP 820
                                                                        RV31
                                                                                                 VAR. CERMET
   R523
          1-216-649-11
                         8
                                              0.50% 1/10W
                                                                                              8
                                                                                                                 10k
   R524
          1-216-629-11
                            METAL CHIP 120
                                              0.50% 1/10W
                                                                        RV32
                                                                               1-237-516-21
                                                                                                 VAR.
                                                                                                      CERMET
                                                                                                                 2k
    R525
          1-216-629-11
                            METAL CHIP 120
                                              0.50% 1/10W
                                                                        RV33
                                                                               1-237-512-21
                                                                                              8
                                                                                                 VAR, CERMET
                                                                                                                 100
                                                                               1-237-512-21
          1-216-679-11
                         8
                            METAL CHIP 15k
                                              0.50% 1/10W
                                                                        RV34
                                                                                              8
                                                                                                 VAR, CERMET
                                                                                                                 100
   R601
                            METAL CHIP 1k
                                              0.50% 1/10W
                                                                        RV35
                                                                               1-230-838-11
                                                                                                 VAR, METAL FILM 200
   R603
          1-216-651-11
                         8
                            METAL CHIP 3.9k
                                              0.50%
                                                                        RV36
                                                                               1-230-838-11
                                                                                                 VAR. METAL FILM 200
   R604
          1-216-665-11
                         8
                                                     1/10W
          1-216-651-11
                            METAL CHIP 1k
                                              0.50%
                                                    1/10W
    R605
                                                                        RV40
                                                                               1-237-503-21
                                                                                              8
                                                                                                 VAR. CERMET
                                                                                                                 10k
                                                                        RV41
                                                                               1-230-838-21
                                                                                                 VAR, METAL FILM 200
          1-216-627-11
                            METAL CHIP 100
                                              0.50% 1/10W
                                                                                              8
    R608
                                             0.50% 1/10W
0.50% 1/10W
                            METAL CHIP 10k
                                                                               1-230-838-21
                                                                                              s VAR, METAL FILM 200
          1-216-675-11
    R609
                         8
                            METAL CHIP 10k
                                                                               1-237-501-21
          1-216-675-11
                                                                        RV203
                                                                                                 VAR, CERMET
    R610
                                                                     6) RV350
                                                                               1-237-514-21
           1-216-627-11
                            METAL CHIP 100
                                              0.50%
                                                                                                 VAR. CERMET
                                                                                                                 500
    R611
          1-216-671-11
                            METAL CHIP 6.8k
                                              0.50% 1/10W
```

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Ref.No. Parts No. SP Description
   Ref.No. Parts No. SP Description
                                                                     4) EQ-28 BOARD
   RV501 1-237-518-21 s VAR, CERMET
                                         10k
   RV 502 1-237-50 5-21
                        s VAR, CERMET
                                          50k
   RV601 1-237-51 8-21
                                                                        All the component parts on the EQ-28 board are supplied
                         s VAR, CERMET
                                          10k
    RV602 1-237-50 5-21
                         s VAR, CERMET
                                          50k
                                                                        together when you order the DM-56P board.
   RV603 1-237-51 4-21
                            VAR. CERMET
                                          500
                                                                               1-628-975-11 o PRINTED CIRCUIT BOARD, EQ-28
    RV701 1-237-517-21
                        s VAR, CERMET
    RV702 1-237-517-21
                         s VAR, CERMET
   RV703 1-237-517-21 s VAR, CERMET
                                                                               1-566-473-11 o PIN, SOCKET 1P
                                                                        CN1
                                                                        CN2
                                                                               1-566-473-11
                                                                                            o PIN, SOCKET 1P
                                                                               1-566-473-11
                                                                                            o PIN, SOCKET 1P
                                                                        CN4
                                                                               1-566-473-11
                                                                                                PIN, SOCKET 1P
           1-571-259-11 s SLIDE
   S2
           1-571-259-11 s SLIDE
                                                                        CN5
                                                                               1-566-473-11 o PIN, SOCKET 1P
                                                                        CN6
                                                                               1-566-473-11 o PIN, SOCKET 1P
                                                                               1-566-473-11 o PIN, SOCKET 1P
                                                                    15) CN7
    TH1
           1-800-202-XX s S-10K
                                                                    15) CN8
                                                                               1-566-473-11 o PIN, SOCKET 1P
           1-800-202-XX s S-10K
    TH2
   TH201
           1-800-200-00 s S-3K
          1-800-202-XX s S-10K
 4) TH 201
                                                                               8-729-102-08 s 2SC2223-F14
                                                                        Q2
                                                                               8-729-102-08 s 2SC2223-F14
                                                                        03
                                                                               8-729-102-08 s 2SC2223-F14
                                                                               8-729-102-08 s 2SC2223-F14
8-729-102-08 s 2SC2223-F14
          04
                                                                        Ò5
    X201
                                                                        06
                                                                               8-729-102-08 s 2SC2223-F14
                                                                        07
                                                                               8-729-102-08 s 2SC2223-F14
8-729-102-08 s 2SC2223-F14
4) EQ-26 BOARD
    All the component parts on the EQ-26 board are supplied
                                                                        RV1
                                                                               1-228-457-00 s VAR, CERMET 2k
                                                                               1-228-457-00 s VAR, CERMET 2k
    together when you order the DM-56P board.
                                                                        RV2
                                                                        RV3
                                                                               1-228-457-00 s VAR, CERMET 2k
           1-628-676-11 o PRINTED CIRCUIT BOARD, EQ-26
                                                                        RV4
                                                                               1-228-457-00
                                                                                             s VAR, CERMET 2k
                                                                                             s VAR, CERMET 2k
                                                                        RV5
                                                                               1-228-457-00
                                                                        RV6
                                                                               i-228-457-00 s VAR, CERMET 2k
1-228-457-00 s VAR, CERMET 2k
    CNI
           1-566-473-11 o PIN, SOCKET 1P
                                                                        RV7
           1-566-473-11 o PIN, SOCKET 1P
                                                                               1-228-457-00 s VAR, CERMET 2k
    CN 2
           1-566-473-11
                        o PIN, SOCKET 1P
    CNA
           1-566-473-11
                         o PIN, SOCKET 1P
           1-566-473-11
                         o PIN. SOCKET 1P
    CN 5
    CN6
           1-566-473-11 o PIN, SOCKET 1P
                                                                        EX-116 BOARD
15) CN7
           1-566-473-11 o PIN, SOCKET 1P
1-566-473-11 o PIN, SOCKET 1P
15) CN8
                                                                               A-6729-474-A s MOUNTED CIRCUIT BOARD, EX-116
           8-729-102-08 s 2SC2223-F14
    01
           8-729-102-08 s 2SC2223-F14
                                                                     3) CN1
                                                                               1-506-748-21 o DIN 96P
    02
           8-729-102-08 s 2SC2223-F14
                                                                               1-506-748-11
    Q3
                                                                     4) CN1
                                                                                            o DIN 96P
           8-729-102-08
                         s 2SC2223-F14
                                                                     3) CN2
                                                                               1-506-748-21
                                                                                             o DIN 96P
    Q5
           8-729-102-08 s 2SC2223-F14
                                                                     4) CN2
                                                                               1-506-748-11
                                                                                            o DIN 96P
                                                                     3) CN3
                                                                               1-563-341-21 o HOUSING, DIN 96P
           8-729-102-08 s 2SC2223-F14
8-729-102-08 s 2SC2223-F14
    06
    Q7
                                                                               1-563-341-11 o HOUSING, DIN 96P
           8-729-102-08 s 2SC2223-F14
                                                                               1-563-341-21 o HOUSING, DIN 96P
                                                                     4) CN4
                                                                               1-563-341-11 o HOUSING, DIN 96P
    RV1
           1-228-457-00 s VAR, CERMET 2k
           1-228-457-00 s VAR, CERMET 2k
    RV2
    RV3
           1-228-457-00 s VAR, CERMET 2k
    RVA
           1-228-457-00
                         s VAR, CERMET 2k
    RV 5
           1-228-457-00 s VAR, CERMET 2k
    RV6
           1-228-457-00 s VAR, CERMET 2k
           1-228-457-00 s VAR, CERMET 2k
1-228-457-00 s VAR, CERMET 2k
    RV7
    RV8
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	Ref.No	. Parts No. S	SP	Description	Ref.No	. Parts No.	SP	Description		
	KX-134	BOARD			HP-33	BOARD				
		A-6729-475-A		MOUNTED CIRCUIT BOARD, EX-134		1-622-590-13	0	PRINTED CIRC	UIT B	OARD, HP-33
		1-0/25 4/3 K	•	Month officer policy, IK-134		,	•			<b>,</b> 50
	CN1	1-506-748-21			C2	1-124-236-00				
	CN1 CN2	1-506-748-11 1-563-341-21		DIN 96P HOUSING, DIN 96P	C3	1-124-236-00	8	ELECT 4/ 2	UZ 16	V
	CN2			HOUSING, DIN 96P						
					ICl	8-759-745-56				
					102	8-759-900-72	8	NE5532P (SIG	NETIC	S)
	EX-1 51	BOARD			Jì	1-507-863-31		LARGE TYPE		
		A-6729-476-A	8	MOUNTED CIRCUIT BOARD, EX-151	31	1-507-005-51		LAKGE III		
				•						
					R6	1-247-739-11				
	CN1	1-506-748-21			R1 0	1-247-739-11	8	CARBON 100	5%	1/2W
	CN1 CN2	1-506-748-11 1-506-748-21								
4)	CN2	1-506-748-11	0	DIN 96P						•
3)	CN3	1-563-341-21	0	HOUSING, DIN 96P						
4)	CN3			HOUSING, DIN 96P HOUSING, DIN 48P	KY-96 B	BOARD				
				•		e component par er when you or				rd are supplied ss'y.
	FL-61	BOARD			C1 C2	1-124-252-00			207	50 V
			rts	on the FL-61 board are supplied	C2 C4	1-124-252-00 1-126-176-11	8	ELECT 0.33 ELECT 220	207 207	50 V 50 V 10 V
	All th	e component par		on the FL-61 board are supplied the AFM-1 board.	C2 C4 C6	1-124-252-00 1-126-176-11 1-126-176-11	8 8 8	ELECT 0.33 ELECT 220 ELECT 220	20%	50 V 10 V 10 V
	All th	e component par er when you or	der		C2 C4 C6 C13	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00	8 8 8	ELECT 0.33 ELECT 220 ELECT 220 ELECT 10	207	50 V 10 V 10 V 16 V
	All th	e component par er when you or	der	the AFM-1 board.	C2 C4 C6 C13	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31	8 8 8 8	ELECT 0.33 ELECT 220 ELECT 220 ELECT 10 CERAMIC	20% 20% 30pF	50 V 10 V 10 V 16 V
	All th	e component par er when you or	der	the AFM-1 board.	C2 C4 C6 C13	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00	8 8 8 8	ELECT 0.33 ELECT 220 ELECT 220 ELECT 10  CERAMIC CERAMIC	207	50 V 10 V 10 V 16 V
	All th togeth	le component pa ler when you ord 1-624-393-11	der o	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P	C2 C4 C6 C13 C14 C15 C16 C17	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31	8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC	20% 20% 30pF 30pF	50 V 10 V 10 V 16 V
	All th togeth	ne component par ler when you ord 1-624-393-11	der o	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P	C2 C4 C6 C13 C14 C15 C16	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31	8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC	20Z 20Z 30pF 30pF 30pF	50 V 10 V 10 V 16 V
	All th togeth	le component pa ler when you ord 1-624-393-11	der o	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P	C2 C4 C6 C13 C14 C15 C16 C17 C18	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-176-11 1-126-176-11	8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 220	20Z 20Z 30pF 30pF 30pF 30pF	50V 10V 10V 16V
	All th togeth	1-624-393-11 1-564-983-11 1-506-653-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8F 5P	C2 C4 C6 C13 C14 C15 C16 C17 C18	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-176-11 1-126-176-11 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 220 ELECT 10	20Z 20Z 30pF 30pF 30pF 30pF	50 V 10 V 10 V 16 V
	All th togeth	1-624-393-11 1-564-983-11 1-506-653-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P	C2 C4 C6 C13 C14 C15 C16 C17 C18	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-176-11 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 20 ELECT 10  CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 220 ELECT 10  ELECT 10  ELECT 10	20Z 20Z 30pF 30pF 30pF 30pF	50V 10V 10V 16V
	All th togeth	1-624-393-11 1-564-983-11 1-506-653-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8F 5P	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-176-11 1-126-176-11 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 20 ELECT 10  CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 220 ELECT 10  ELECT 10  ELECT 10	20Z 20Z 30pF 30pF 30pF 30pF 20Z 20Z 20Z	50V 10V 10V 16V 10V 10V 16V
	All th togeth	1-624-393-11 1-564-983-11 1-506-653-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8F 5P	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-176-11 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10	20Z 20Z 30pF 30pF 30pF 30pF 20Z 20Z 20Z 20Z	50V 10V 10V 16V 10V 16V 16V 16V
	All the togeth	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11	der o s s	PRINTED CIRCUIT BOARD, FL-61  8P 5P LOW-PASS 25kHz	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10	20Z 20Z 30pF 30pF 30pF 20Z 20Z 20Z 20Z 20Z	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V
	All th togeth CNI 01 CNI 02 FLI 09	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.507 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 10  ELECT 10  ELECT 10  ELECT 10  ELECT 10  ELECT 10  ELECT 10  ELECT 10	20Z 20Z 30pF 30pF 30pF 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V
	All th togeth CNI 01 CNI 02 FLI 09	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.507 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10	20Z 20Z 30pF 30pF 30pF 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V
	All th togeth CNI 01 CNI 02 FLI 09	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.507 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C34 C35	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10 ELECT 10	20Z 20Z 30pF 30pF 30pF 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z 20Z	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V 16V 16V 16V
	All th togeth CNI 01 CNI 02 FLI 09 RI01 R102	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11	der o s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.507 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C34 C35 C37 C38	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220 ELECT 10	20X 20X 30pF 30pF 30pF 20X 20X 20X 20X 20X 20X 20X 20X 20X 20X	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V 16V 16V 16V 16V
	All th togeth CNI 01 CNI 02 FLI 09 RI01 R102	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11 1-216-658-11 1-216-658-11	der O s s s	PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.50% 1/10W METAL CHIP 2k 0.50% 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C34 C35 C37 C38 C39	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC 10  ELECT 10	20X 20X 30pF 30pF 30pF 20X 20X 20X 20X 20X 20X 20X 20X 20X 20X	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V 16V 16V 16V 16V 16
	All th togeth CNI 01 CNI 02 FLI 09 RI01 R102	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11 1-216-658-11 1-216-658-11	der O s s s	the AFM-1 board.  PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.507 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C34 C35 C37 C38	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC 10  ELECT 10	20X 20X 30pF 30pF 30pF 20X 20X 20X 20X 20X 20X 20X 20X 20X 20X	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V 16V 16V 16V 16V 16
	All th togeth CNI 01 CNI 02 FLI 09 RI01 R102	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11 1-216-658-11 1-216-658-11	der O s s s	PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.50% 1/10W METAL CHIP 2k 0.50% 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C34 C35 C36 C37 C38 C39 C40 C41	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 10	207 207 30 pF 30 pF 30 pF 207 207 207 207 207 207 207 207 207 207	10V 10V 16V 10V 16V 16V 16V 16V 16V 16V 16V 16
	All th togeth CNI 01 CNI 02 FLI 09 RI 01 RI 02	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11 1-216-658-11 1-216-658-11 1-622-595-11	der O s s s	PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.50% 1/10W METAL CHIP 2k 0.50% 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C34 C35 C37 C38 C39 C40 C41	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC 10  ELECT 10	20X 20X 30pF 30pF 30pF 20X 20X 20X 20X 20X 20X 20X 20X	50V 10V 10V 16V 16V 16V 16V 16V 16V 16V 16V 16V 16
	All th togeth CNI 01 CNI 02 FLI 09 RI01 R102	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11 1-216-658-11 1-216-658-11	der O s s s	PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.50% 1/10W METAL CHIP 2k 0.50% 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C34 C35 C36 C37 C38 C39 C40 C41	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-124-462-00	8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC 10  ELECT 10	20X 30pF 30pF 30pF 30pF 20X 20X 20X 20X 20X 20X 20X 20X	50V 10V 10V 16V 10V 16V 16V 16V 16V 16V 16V 16V 16V 16V 16
	All th togeth CNI 01 CNI 02 FLI 09 RI 01 RI 02	1-624-393-11 1-564-983-11 1-506-653-11 1-236-122-11 1-216-658-11 1-216-658-11 1-622-595-11	der O s s s	PRINTED CIRCUIT BOARD, FL-61  8P 5P  LOW-PASS 25kHz  METAL CHIP 2k 0.50% 1/10W METAL CHIP 2k 0.50% 1/10W	C2 C4 C6 C13 C14 C15 C16 C17 C18 C20 C21 C22 C23 C24 C25 C34 C35 C37 C38 C39 C40 C41 C42 C42 C43	1-124-252-00 1-126-176-11 1-126-176-11 1-124-462-00 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-162-210-31 1-126-176-11 1-126-176-11 1-124-462-00	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ELECT 0.33 ELECT 220 ELECT 10  CERAMIC CERAMIC CERAMIC CERAMIC ELECT 220  ELECT 10	20X 30pF 30pF 30pF 30pF 20X 20X 20X 20X 20X 20X 20X 20X	50V 10V 10V 16V 16V 16V 16V 16V 16V 16V 16V 16V 16

Ref.No.	Parts	No.	SP	Description	Ref.No.	. Parts N	o.	SP	Description
Di	8-719-9	11-19	8	188119	Q7	8-729-90	4-51	8	DTB1 23 EK
D2	8-719-9	11-19	8	188119	Q8	8-729-90	4-51	8	DTB1 23 EK
	8-719-9		8	1SS119	Q9	8-729-90	4-51	8	DTB1 23 EK
	8-719-1		8	RD2.0ES-B2	Q10	8-729-90	4-51	8	DTB1 23 EK
	8-719-1		8	RD2.0ES-B2	Q1 2	8-729-13		В	2SB733
D6	8-719-1	00-51	8	RD2.0ES-B2	Q13	8-729-13	3-34	8	2SB733
D7	8-719-1		8	RD2.0ES-B2	Q1 4	8-729-13	3-34	8	2SB733
D8	8-719-1		8	RD2.0ES-B2	Q1 5	8-729-13		8	2SB733
			8	RD2.0ES-B2	Q16	8-729-13		8	2SB733
D9 D10	8-719-1 8-719-1		8	RD2.0ES-B2	Q17	8-729-13		8	2SB733
				100110	Q18	8-729-13	12_2%	8	2SB733
D11	8-719-9		8	188119	Q19	8-729-13		8	2SB733
D1 2	8-719-9		8	188119	Q20	8-729-90			DTAL 24XS
D13	8-719-9			188119				8	
D1 4	8-719-9	911-19	8	188119	Q21	8-729-90		8	DTA1 24XS
D15	8-719-9	911-19	8	188119	Q22	8-729-90	10-67	8	DTA1 24XS
D16	8-719-	911-19	8	188119	Q23	8-729-90		8	DTA1 24XS
D17	8-719-	911-19	8	1SS119	Q24	8-729-90		8	DTA1 24XS
D18	8-719-	911-19	8	188119	Q25	8-729-90		8	DTA1 24XS
D21	8-719-			188119	Q26	8-729-90		8	DTA1 24XS
D27	8-719-			153119	Q27	8-729-90	0-67	8	DTAL 24XS
					020	972000	10 67	_	DT413670
D28	8-719-			188119	Q28	8-729-90		8	DTAL 24XS
D30	8-719-	911-19	8	188119	Q29	8-729-90		8	DTAI 24XS
D31	8-719-	911-19	8	188119	Q30	8-729-90		8	DTA1 24XS
D32	8-719-	911-19	8	1SS119	Q31	8-729-90	00-67	8	DTA1 24XS
D35	8-719-	911-19	8	188119	Q32	8-729-90	00-67	8	DTA1 24XS
D36	8-719-	011-19	s	155119	Q33	8-729-90	00-67	8	DTA1 24XS
D37	8-719-			188119	Q34	8-729-19		8	2SD999
D38	8-719-			155119	Q35	8-729-90		8	DTALL 4TK
D39				155119	Q36	8-729-19		-	2SD999
D40	8-719- 8-719-			188119	Q37	8-729-90		s	DTALL4TK
D41	8-719-	911-19	8	1SS119	Q38	8-729-19			2SD999
D42	8-719-	911-19	8	1SS119	Q39	8-729-90		8	DTALL4TK
D49	8-719-	802-11	. 8	TLUG1 54	Q40	8-729-19	99-92	8	2SD999
D 51	8-719-	939-39	8	GL-5HD8	Q41	8-729-90	00-51	8	DTA114TK
D55	8-719-			GL-5HD8	Q42	8-729-19	99-92	8	2SD999
D 56	8-719-	939-39	) s	GL-5HD8	Q43	8-729-90	00-51	8	DTA114TK
D 57	8-719-			TLUGI 54	Q44	8-729-19		8	2SD999
D 58	8-719-			GL-5HD8	Q45	8-729-90		8	DTAI 1 4TK
D 59	8-719-			TLUG1 54	Q46	8-729-19			2SD999
D ) 7	0-/19-	002-11		18001 54	Q61	8-729-90		8	DTALL4TK
					06.0	0 700			0.000.00
					Q6 2	8-729-19		_	2SD999
ICI	8-7 59-			M5237L (MITSUBISHI)	Q63	8-729-90		8	DTAI 1 4TK
IC2	8-7 59-	278-0	5 8	NJM78LO5A (JRC)	Q6 4	8-729-19	99-92	8	2SD999
IC3	8-759-	937-29	) s	MB88201H-539N (FUJITSU)	Q67	8-729-90	00-51	8	DTALL4TK
1C4	8-7 59-			M50747H-601SP (MITSUBISHI)	Q6 8	8-729-19	99-92	8	2SD999
1C5	8-759-	645-16	) S	M54516P (MITSUBISHI)	Q6 9	9_700 00	30 F?	_	DW411/mr
***				WELLTACE (WINDOWN TOWN)		8-729-90		8	DTAI 1 4TK
106	8-759-			M54516P (MITSUBISHI)	Q70	8-729-19		8	2SD999
IC7	8-7 59-			M54516P (MITSUBISHI)	Q71	8-729-90		8	DTAI 1 4TK
IC8	8-7 59-	-278-0	5 8	NJM78LO5A (JRC)	Q7 2	8-729-19			2SD999
					Q73	8-729-90	00-51	8	DTAL 1 4TK
					Q74	8-729-19	99-92	8	2SD999
Ll	1-407-	-488-06	) s	MICRO 470	Q7 5	8-729-90	00-51	8	DTA114TK
1.2	1-407-			MICRO 470	Q76	8-729-19			2SD999
		700 0		17 <del>-</del>	Q77	8-729-90		8	DTA114TK
					Q78	8-729-19			2SD999
			•	00075/	Q7 9	8-729-90	10_51	_	Tom A 1 1 Amer
Q2	8-729	-27 5-4	2 8	2SC2754	Q80	8-729-19		8	DTAII4TK
Q3		-27 5-4							2SD999
Q4		-904-5		DTB1 23 EK	Q81	8-729-27			2SC2712-G
Q5	-	-904-5		DTB1 23 EK	Q82	8-729-27			2SC2712-G
Q6	8-729-	-904-5	1 8	DTB1 23 EK	Q83	8-729-90	00-51	8	DTALL4TK
,					Q84	8-729-19	00_00	s	2 500 60
					Q04	0-/29-15	,,-,2	5	2SD999

```
Ref.No. Parts No. SP Description
                                                                      Ref.No. Parts No. SP Description
                                                                      MB-191B BOARD
                        SHORT
                                         1/6W
       1-217-666-31 s
                                0.01
R2
                        CARBON 100 5% 1/4W
       1-247-700-11 s
R63
                                     5% 1/4W
                                                                         17) A-6725-609-A o MOUNTED CIRCUIT BOARD, MB-191B
       1-247-700-11 s
                        CARBON 100
                                                                         18) A-6725-609-B o MOUNTED CIRCUIT BOARD, MB-191B
                                     5%
                                         1/4W
                        CARBON
                                100
R68
       1-247-700-11 s
                         CARBON
R69
       1-247-700-11
                                100
                                                                             1-562-210-11 s CONTACT
                                100
                                         1/4W
       1-247-700-11
                         CARBON
                                      5%
R70
       1-247-700-11
                         CARBON
                                100
                                     5%
                                         1/4W
R71
                         CARBON
                                1 50
                                     5% 1/4W
R141
       1-247-702-11 s
                                                                   3) CN101 1-563-337-31 s HOUSING, DIN 96P
       1-247-702-11
                         CARBON
                                1 50
R1 44
                                                                   4) CN101 1-565-910-11 s
                                                                                              HOUSING, DIN 96P
                         CARBON
                                      57
                                          1/4W
       1-247-702-11
R1 47
                                                                   3) CN102 1-563-337-31
                                                                                           s HOUSING, DIN 96P
                                                                   4) CN102
                                                                             1-565-910-11
                                                                                              HOUSING, DIN 96P
       1-247-702-11
                         CARBON
                                      5%
                                         1/4W
R1 50
                                1 50
                                                                             1-563-337-31
                                                                                           s HOUSING, DIN 96P
                         CARBON
                                1 50
                                                                   3) CN103
       1-247-702-11
R1 53
R1 56
       1-247-702-11
                         CARBON
                                      5% 1/4W
                                                                   4) CN103 1-565-910-11
                                                                                           s HOUSING, DIN 96P
                                                                            1-563-337-31
                                                                                           s HOUSING, DIN 96P
                                                                   3) CN105
                                                                            1-565-910-11
                                                                                           s HOUSING, DIN 96P
                                                                    4) CN105
                                                                             1-563-335-11
                                                                                           s HOUSING, DIN 48P
                         TACTIL
                                                                   3) CN106
SI
       1-571-169-11
                                                                             1-565-909-11 8 HOUSING, DIN 48P
       1-571-169-21
                         TACTIL
                                                                    4) CN106
52
       1-571-167-41 s
                        TACTIL
                                                                             1-563-337-31 s HOUSING, DIN 96P
       1-571-167-31
                                                                   3) CN107
                      8
                         TACTIL
84
       1-571-167-21
                         TACTIL
                                                                    4) CN107
                                                                             1-565-910-11 s HOUSING, DIN 96P
S5
                                                                    3) CN108
                                                                             1-563-335-11
                                                                                           s HOUSING, DIN 48P
       1-571-167-11
                                                                             1-565-909-11
                                                                                              HOUSING, DIN 48P
                        TACTIL
                                                                    4) CN108
S6
       1-571-167-11
                         TACTIL
                                                                    3) CN109
                                                                             1-563-337-31 s HOUSING, DIN 96P
S7
S10
       1-571-280-11
                     8
                         TACTIL
                                                                            1-565-910-11 s HOUSING, DIN 96P
1-563-335-11 s HOUSING, DIN 48P
                         TACTIL
                                                                    4) CN109
S16
       1-571-167-11
                      8
                                                                                               HOUSING, DIN 48P
                         TACTIL
                                                                    3) CN110
       1-571-167-11
S17
                                                                             1-565-909-11 s
                                                                                              HOUSING, DIN 48P
                                                                    4) CN110
                         TACTIL
                                                                    3) CN111
                                                                             1-563-337-31
                                                                                           s HOUSING, DIN 96P
S1 9
       1-571-167-11 s
                                                                    4) CN111 1-565-910-11 8 HOUSING, DIN 96P
S20
       1-516-995-00 s
                         LEVER SLIDE
S21
        1-571-280-11
                      8
                         TACTIL
        1-571-280-11
                         TACTIL
                                                                       CN123 1-566-342-11 s
$22
                      8
                                                                             1-566-392-21 o
        1-571-280-11
                                                                       CN125
                                                                                               4P
S23
                                                                                           o 13P
                                                                       CN130
                                                                             1-564-683-11
        1-571-280-11 s TACTIL
                                                                              1-566-398-21
                                                                                               16 P
                                                                       CN137
 S24
                                                                    3) CN202
                                                                             1-563-337-31
                                                                                               HOUSING, DIN 96P
       1-571-280-11 s TACTIL
1-516-961-00 s LEVER SLIDE
S2 5
$26
                                                                    4) CN202 1-565-910-11 8
                                                                                               HOUSING, DIN 96P
                                                                             1-563-337-31
                                                                                               HOUSING, DIN 96P
                                                                    3) CN204
                                                                                           8
                                                                                              HOUSING, DIN 96P
                                                                    4) CN204
                                                                             1-565-910-11 s
       1-567-869-11 s VIBRATOR 9.83MHz
1-567-192-11 s OSCILLATOR 4.00MHz
                                                                              1-563-337-31
                                                                                               HOUSING, DIN 96P
                                                                    3) CN205
X1
                                                                    4) CN205
                                                                             1-565-910-11
                                                                                            s HOUSING, DIN 96P
 X2
                                                                             1-563-337-31 s HOUSING, DIN 96P
                                                                    3) CN206
                                                                    4) CN206
                                                                              1-565-910-11 s
                                                                                               HOUSING, DIN 96 P
                                                                              1-563-337-31
                                                                                              HOUSING, DIN 96P
                                                                    3) CN207
                                                                                           8
                                                                      CN207
                                                                              1-56 5-910-11
                                                                                               HOUSING, DIN 96P
 KY-107 BOARD
                                                                    3) CN208 1-563-337-31 s HOUSING, DIN 96P
 All the component parts on the KY-107 board are supplied
                                                                    4) CN208 1-565-910-11 8 HOUSING, DIN 96P
                                                                             1-563-337-31 s
                                                                                               HOUSING, DIN 96P
 together when you order the key chassis ass'y.
                                                                    3) CN209
                                                                             1-565-910-11
                                                                                           8
                                                                                              HOUSING, DIN 96P
                                                                    4) CN209
                                                                    3) CN210
        1-622-554-11 o PRINTED CIRCUIT BOARD, KY-107
                                                                             1-563-337-31
                                                                                           s HOUSING, DIN 96P
                                                                    4) CN210 1-565-910-11 s HOUSING, DIN 96P
                                                                             1-566-312-11
                                                                       CN212
                                                                              1-566-312-11
                                                                                               50 P
        1-535-698-11 o WIRE, JUMPER
 CN4
                                                                       CN213 1-564-199-00 o 6P
                                                                             1-564-201-00
                                                                                              10P
                                                                       CN214
                                                                                           0
                                                                       CN215 1-566-405-11 o
        1-552-539-00 s KEY BOARD
 S32
                                                                       CN225 1-566-405-11 o
                                                                                               30P
        1-552-539-00 s KEY BOARD
 S33
        1-552-539-00 s KEY BOARD
                                                                       CN236 1-566-392-21
                                                                                            o 4P
                                                                       CN237 1-566-405-21
                                                                                            o 30P
                                                                              1-562-833-11
                                                                       CN431
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CN432 1-562-800-11

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Ref.No. Parts No. SP Description
                                                                         Ref.No. Parts No. SP Description
   MB-192 BOARD
                                                                     18) NR-32 BOARD
           A-6725-584-A o MOUNTED CIRCUIT BOARD, MB-192
                                                                         All the component parts on the NR-32 board are supplied
                                                                         together when you order the TBC-12P board.
                                                                                 1-629-463-11 o PRINTED CIRCUIT BOARD, NR-32
3) CN301 1-563-337-31 s HOUSING, DIN 96P
                             HOUSING, DIN 96P
 4) CN301 1-565-910-11 s
   CN302 1-563-337-31
   CN302 1-565-910-11
                          s HOUSING, DIN 96P
                                                                                1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
                                                                         C701
 3) CN303
           1-563-337-31
                          s HOUSING, DIN 96P
                                                                                1-163-037-11
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                         C702
                                                                                              8
                                                                                                                            25V
                                                                         C703
                                                                                1-163-037-11
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                                                                            257
                             HOUSING, DIN 96P
   CN303 1-565-910-11 8
                                                                         C704
                                                                                1-163-037-11
                                                                                               s CERAMIC CHIP 0.022 10%
                             HOUSING, DIN 96P
HOUSING, DIN 96P
   CN304
          1-563-337-31
                          8
                                                                         C705
                                                                                1-163-037-11
                                                                                               8 CERAMIC CHIP 0.022
                                                                                                                       107
                                                                                                                            25V
           1-56 5-91 0-11
    CN304
           1-566-343-11
    CN 306
                          0
                             40 P
                                                                         C706
                                                                                                   CERAMIC CHIP 0.022 10%
                                                                                 1-163-037-11
    CN 307
           1-566-496-11
                          0
                             50 P
                                                                         C707
                                                                                 1-163-037-11
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                         C708
                                                                                1-163-037-11
                                                                                               s CERAMIC CHIP 0.022 10%
                                                                                                                            25V
    CN308 1-566-496-11
                                                                                                  CERAMIC CHIP 0.022
                                                                                1-163-037-11
                                                                         C709
                                                                                               8
                                                                                                                      107
                                                                                                                            2 5 V
    CN 310
          1-566-311-11
                             10P
                                                                                 1-163-037-11 s
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                         C710
                                                                                                                             25V
    CN316 1-508-906-00 o 10P
                                                                         C712
                                                                                1-163-037-11
                                                                                                   CERAMIC CHIP 0.022 10%
                                                                                                                            25V
                                                                         C713
                                                                                 1-163-037-11
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                                                                            25V
                                                                         C714
                                                                                1-163-037-11
                                                                                               s CERAMIC CHIP 0.022 10%
                                                                                                                            25V
                                                                                                  CERAMIC CHIP 0.022
                                                                         C715
                                                                                 1-163-037-11
                                                                                                                       107
                                                                                                                            25V
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                                 1-163-037-11
                                                                                                                            25V
17) NR-25 BOARD
                                                                         C717
                                                                                 1-163-037-11
                                                                                                   CERAMIC CHIP 0.022
                                                                                                                      10%
                                                                                                                             25V
    All of the component parts on the NR-25 Board are supplied
                                                                         C720
                                                                                 1-163-037-11 s
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                                                                            25V
    together when you order the TBC-8P Board.
                                                                         C721
                                                                                 1-163-037-11
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                                                                            25V
                                                                                 1-163-037-11
                                                                                                  CERAMIC CHIP 0.022
                                                                                                                       10%
                                                                                                                            25V
           1-624-023-12 o PRINTED CIRCUIT BOARD, NR-25
                                                                         C723
                                                                                 1-163-037-11 s
                                                                                                  CERAMIC CHIP 0.022
                                                                                1-163-037-11 s
1-163-037-11 s
                                                                         C724
                                                                                                  CERAMIC CHIP 0-022 107
                                                                                                                            25V
                                                                         C725
                                                                                                  CERAMIC CHIP 0.022
                                                                                                                       10Z
                                                                                                                            25V
    C701
           1-163-033-00 s CERAMIC CHIP 0.022
                                                         50 V
                                                                         C727
                                                                                 1-163-037-11
                                                                                                   CERAMIC CHIP 0.022
                                                                                                                       107
                                                                                                                            25V
           1-163-033-00
                             CERAMIC
                                       CHIP
                                             0.022
                                                         50 V
    C702
                                                                                                   CERAMIC CHIP 0.022 10%
                         8
                                                                         C729
                                                                                 1-163-037-11
           1-163-033-00
                          s CERAMIC
                                       CHIP
                                             0.022
                                                         50 V
                                                                                                  CERAMIC CHIP 0.022 10%
                                                                         C730
                                                                                1-163-037-11
    C704
           1-163-033-00
                          s CERAMIC
                                       CHIP
                                             0.022
                                                         50 V
    C705
           1-163-033-00
                         s CERAMIC
                                       CHIP
                                             0.022
                                                         50 V
    C706
           1-163-033-00
                          8
                              CERAMIC
                                       CHIP
                                             0.022
                                                         50 V
                                                                         CP701 1-567-979-11 s CRYSTAL VCO 27MHz
           1-163-033-00
                         s CERAMIC
                                       CHIP
    C7 07
                                             0.022
                                                         50 V
                                                                         CP702 1-577-134-11 s CRYSTAL VCO 13.5MHz
    C708
           1-163-033-00
                         s CERAMIC
                                      CHIP 0.022
                                                         50 V
    C709
           1-163-033-00
                         s CERAMIC
                                      CHIP
                                             0.022
                                                         50 V
                                                                         CV701 1-141-320-00 s TRIMMER, CERAMIC 45pF
    CN700 1-564-410-11 s HEADER 40P
CN701 1-559-614-11 o FLAT CABLE (40 CORE)
                                                                         IC701 8-759-947-00 s CXD1328Q (SONY)
                                                                         IC702 8-752-322-72
IC703 8-752-322-72
                                                                                              s CXK12028 (SONY)
                                                                                              s CXK1202S (SONY)
s CXK1202S (SONY)
    IC701 8-759-947-00 s CXD1328Q (SONY)
                                                                                8-752-322-72
                                                                         IC704
    IC702 8-752-322-72 s
                             CXK1202S (SONY)
                                                                         IC705 8-759-205-16
                                                                                              s TC74HC161F (TOSHIBA)
    IC703 8-752-322-72 s CXK1202S (SONY)
           8-752-322-72 B
    IC704
                              CXK1202S (SONY)
                                                                         1C706 8-759-205-16 s TC74HC161F (TOSHIBA)
                                                                         1C707 8-759-205-22 8 TC74HC240F (TOSHIBA)
1C708 8-759-203-21 8 TC74HC273F (TOSHIBA)
    IC705 8-759-205-16 s TC74HC161F (TOSHIBA)
    IC706 8-759-205-16 s TC74HC161F (TOSHIBA)
                                                                         IC709
                                                                                8-759-205-16
                                                                                               s TC74HC161P (TOSHIBA)
    IC707 8-751-205-22 s TC74HC240F (TOSHIBA)
IC708 8-759-205-30 s TC74HC273F (TOSHIBA)
IC709 8-759-207-25 s TC74HC163F (TOSHIBA)
                                                                         IC710
                                                                                8-7 52-306-51
                                                                                               s CX23065A (SONY)
                                                                         IC711 8-752-306-51 s
                                                                                                  CX2306 5A (SONY)
                                                                         IC712 8-759-904-80
                                                                                                  74F04PC (FSC)
                                                                                                  74F74PC (FSC)
                                                                         IC713 8-759-904-84
                                                                                              8
                                                                                8-759-230-23
                                                                                                  CXD1045AQ (SONY)
CXD1045AQ (SONY)
                                                                         IC714
                                                                         IC715 8-759-230-23
                                                                         IC716 8-759-907-81
                                                                                                  SN74LS221NS (TI)
                                                                         IC717
                                                                                8-759-904-83
                                                                                                  74F32PC (FSC)
                                                                         IC718 8-759-906-71
                                                                                                  74F175PC (FSC)
                                                                         IC719
                                                                                8-759-915-93
                                                                                               8
                                                                                                  74F163APC (FSC)
                                                                         IC720 8-759-925-90 s SN74HC74NS (TI)
```

Ref. No. Parts No. SP Description

1C721 8-759-930-57 s SN74LS164NS (TI) IC725 8-759-901-58 s SN74LS158N (TI)
IC726 8-759-930-57 s SN74LS164NS (TI)

1-216-672-11 s METAL CHIP 7.5k 0.50% 1/10W 17) R748 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W 18) R748 17) R749

RV701 1-230-521-11 s VAR, METAL 2.2k RV702 1-230-521-11 s VAR, METAL 2.2k

### 3) PC-32 BOARD

18) R749

1-622-603-11 o PRINTED CIRCUIT BOARD, PC-32

8-719-800-81 s TLP801A

#### PC-33 BOARD

1-622-604-11 o PRINTED CIRCUIT BOARD, PC-33

8-719-800-81 s TLP801A DI

#### PC-41 BOARD

1-623-267-11 o PRINTED CIRCUIT BOARD, PC-41

8-719-800-81 s TLP801A D1

## 4) PC-47 BOARD

1-628-786-11 o PRINTED CIRCUIT BOARD, PC-47

8-719-800-81 s TLP801A

#### PD-35 BOARD

1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35

CN852 1-508-900-00 o PIN 2P

Ref.No. Parts No. SP Description

### PT-9 BOARD

All the component parts on the PT-9 board are supplied together when you order the key chassis ass'y.

1-605-018-11 o PRINTED CIRCUIT BOARD, PT-9

8-729-882-52 s 2SB825-R

#### PTC-15 BOARD

1-622-597-11 o PRINTED CIRCUIT BOARD, PTC-15

D1 8-719-800-81 s TLP801A 8-719-800-81 s TLP801A

#### PTC-20 BOARD

1-622-598-11 o PRINTED CIRCUIT BOARD, PTC-20

8-729-116-45 s PH110 01 8-729-116-45 s PH110 Q2

8-729-116-45 s PH110

#### PTC-21 BOARD

1-622-599-11 o PRINTED CIRCUIT BOARD, PTC-2L

8-719-800-81 s TLP801A DI 8-719-800-81 s TLP801A D2

#### PTC-31 BOARD

1-622-607-11 o PRINTED CIRCUIT BOARD, PTC-31

D1 8-719-941-47 s GP-2S05

Ref.No. Parts No. SP Description

Ref.No	. Parts No. SP	Description	Ker . No	. raits No.	) r	Description
PTC-32	BOARD	,	Q6	8-729-177-43	8	2SD774
		on the PTC-32 board are supplied the key chassis ass'y.				
cogecu	er when you order	the key chassis ass y.	R1	1-247-887-00	8	CARBON 220k 5% 1/4W
	1-622-638-11 0	PRINTED CIRCUIT BOARD, PTC-32	<u></u>	1-216-389-11	8	METAL OXIDE 1 5% 3W
			R10	1-215-866-11		
C1	1-124-234-00 s	ELECT 22 20% 10V	R1 2	1-247-887-00	8	CARBON 220k 5% 1/4W
			AR13	1-216-386-11	8	METAL OXIDE 0.56 5% 3W
			W 202	1 -10 500 11	•	
CN4	1-562-151-11 o	6P	R1 4	1-247-739-11	8	CARBON 100 5% 1/2W
			R1 5	1-247-739-11	8	CARBON 100 5% 1/2W
PH1	8-719-800-81 s	TLP801A	<u></u> <b>À</b> R16	1-216-389-11	8	METAL OXIDE 1 5% 3W
<b>P</b> TC-36	BOARD					
110 30			RE-36	BOARD		
	1-622-601-11 0	PRINTED CIRCUIT BOARD, PTC-36				
			Δ	A-6715-361-A	0	MOUNTED CIRCUIT BOARD, RE-36
D1	8-719-123-69 в					
D2 D3	8-719-123-69 s 8-719-123-69 s					
	0 /17 125 07 1		C103 C104	1-162-726-11 1-162-726-11		CERAMIC 470pF 12 50V CERAMIC 470pF 12 50V
			C106	1-124-462-00	8	ELECT 10 20% 16V
R1 R2	1-249-409-11 s 1-249-409-11 s		C203 C204	1-162-726-11 1-162-726-11		
R3		CARBON 220 5% 1/4W				•
			C206	1-124-462-00	8	ELECT 10 20% 16 V
			CN802	1-563-233-11	0	F.P.C 13P
RE-28	BOARD		CN805	1-562-708-11	0	SOCKET 13P
200000000000000000000000000000000000000				1-508-901-00 1-506-477-11		
Δ	A-6715-354-A o	MOUNTED CIRCUIT BOARD, RE-28				
			D1	8-719-200-02		
C9	1_124_360-00 =	ELECT 1000 20% 16V	D2	8-719-200-02	8	10E2
0,	1-124-300-00 8	20201 1000 20% 104				
			IC101	8-759-705-62	8	NJM4562D-D (JRC)
	1-508-901-00 o					NJM4562D-D (JRC)
CN8 23	1-508-949-00 o	M 12F				
			Li	1-459-155-00	8	45 (WITH CORE)
DI	8-719-200-02 s	10 E2	L2			45 (WITH CORE)
1C1	8-759-108-77 s	CYRTT (SONY)	Q1	8-729-114-11		2541141
101	0-133-100-11 8	OAUTT (SUNT)	Q2	8-729-177-43	8	2SD774
			Q3 Q4	8-729-103-43 8-729-102-57		
Q1	8-729-177-43 s		Q1 01	8-729-217-33		
Q2 Q3	8-729-376-84 s 8-729-177-43 s	2SD774	Q1 0 2	8-729-247-33		
Q4 Q5	8-729-247-33 s 8-729-103-43 s	2SA473	Q201 Q202	8-729-217-33 8-729-247-33		
cy	0-/13-103-43 8	2001 34" (207	4		-	

Ref.No. Parts No. SP Description

Ref.No.							
	Parts No. S	P	Description	Ref.No	. Parts No. S	P	Description
				SE-57	ROARD		
<u>∱</u> R2	1-21 5-86 4-00		METAL OXIDE 150 5% 1W		<del> </del>		
333			METAL OXIDE 330 5% 2W		A-6715-353-A	0	MOUNTED CIRCUIT BOARD, SE-57
338			METAL OXIDE 100 5% 1W METAL OXIDE 100 5% 1W				
			METAL OXIDE 100 5% 1W METAL OXIDE 0.47 5% 2W				
103	1-210-303-00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C1	1-162-726-11	8	CERAMIC 470pF 17 50V
				C2		8	
	2 27, 0,2 00	8	CARBON 470k 5% 1/4W	C3	1-136-683-11	8	MYLAR 0.0056 2% 100V
		8 8	CARBON 470k 5% 1/4W CARBON 220k 5% 1/4W				
,,	1-247-887-00	•	CALDON 2202 38 17 411				
		8	METAL OXIDE 100 5% 1W	D1	8-719-911-19		188119
R202	1-21 5-86 3-11	8	METAL OXIDE 100 5% 1W	D2	8-719-911-19		188119
				D3	8-719-911-19	8	155119
vobcodenteron (************************************							
<b>∱</b> R2O3	1-216-365-00	8	METAL OXIDE 0.47 5% 2W				
			01701 CW 1//11	IC1 IC2			NJM2903D (JRC) TC4538BP (TOSHIBA)
	1-247-895-00		CARBON 470k 5% 1/4W CARBON 470k 5% 1/4W	1C2 1C3			uPC4558C (NEC)
	1-247-895-00 1-247-887-00		CARBON 220k 5% 1/4W	103	0 / 37 1 43 30	•	,
// K213	1-247 007 00	•					
				01	0 700 170 55	_	2002285-7
				Q1 Q2	8-729-178-55 8-729-820-14		
				Q2 Q3	8-729-111-67		TI111_
RH-40 1	BOARD			Q4	8-729-178-55		
<del>-11</del>				Q5	8-729-117-54	8	2SA1175
	1-622-605-11	0	PRINTED CIRCUIT BOARD, RM-40	04	8-729-178-55	_	2902795_9
				Q6 Q7	8-729-178-55		
				4,	0 /2/ 1/0 //	-	200,00
C1	1-102-363-00		CERAMIC 0.001 50V				
C2	1-102-363-00	8	CERAMIC 0.001 50V		1 0/7 005 00	_	CARBON 470k 5% 1/4W
				R5 R1 4	1-247-895-00 1-247-887-00		· · · · · · · · · · · · · · · · · · ·
				R1 5		8	
CN3	1-562-708-11	0	13P	R29	1-216-347-11		METAL OXIDE 0.68 5Z 1W
				R30	1-216-347-11	8	METAL OXIDE 0.68 5% 1W
DM_ 57	ROADD						
RM-57				SV-824	A BOARD		
RM-57		0	PRINTED CIRCUIT BOARD, RM-57	********			CORCA DUITED VI. 2007
RM-57		o	PRINTED CIRCUIT BOARD, RM-57	********		8	C256A-BVW75P V1.20SV
RM-57		o	PRINTED CIRCUIT BOARD, RM-57	********		8	C256A-BVW75P V1.20SV
RM-57				********	8-759-734 <b>-</b> 36		
	1-624-153-13			********	8-759-734 <b>-</b> 36		C256A-BVW75P V1.20SV  MOUNTED CIRCUIT BOARD, SY-82A
	1-624-153-13			********	8-759-734 <b>-</b> 36		
C1	1-624-153-13	8		********	8-759-734 <b>-</b> 36		
c1 cn450 cn451	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11	8 0 0	ELECT 220 20% 16V WIRE ASS'Y, FLAT TYPE (40 CORE)	1C109	8-759-734-36 A-6715-394-A	0	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V
C1 CN450 CN451 CN452	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00	8 0 0	ELECT 220 20% 16V WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P	1C109 C1 C2	8-759-734-36 A-6715-394-A 1-162-887-11 1-162-887-11	o s s	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pf 5% 50V CERAMIC 470pf 5% 50V
CN450 CN451 CN452 CN453	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00	8 0 0 0 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P	C1 C2 C7	8-759-734-36 A-6715-394-A 1-162-887-11 1-162-887-11 1-162-887-11	O 8 8	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V
CN450 CN451 CN452 CN453	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00	8 0 0 0 8	ELECT 220 20% 16V WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P	1C109 C1 C2	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-162-887-11	o s s s	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V
CN450 CN451 CN452 CN453 CN454	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11	8 0 0 0 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P	C1 C2 C7 C9	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11	O 8 8 8 8 8 8	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 22 20% 25V
CN450 CN451 CN452 CN453 CN454	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11	8 0 0 0 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P	C1 C2 C7 C9 C106	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11	O	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 22 20% 25V  ELECT 22 20% 25V
CN450 CN451 CN452 CN453 CN454	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11	8 0 0 0 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P	C1 C2 C7 C9 C106	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00	O S S S S S S S S S S	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V ELECT 22 20% 25V ELECT 22 20% 25V ELECT 10 20% 16V
CN450 CN451 CN452 CN453 CN454	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11	8 0 0 0 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P	C1 C2 C7 C9 C106	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00 1-124-462-00	O	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 22 20% 25V  ELECT 22 20% 25V  ELECT 22 20% 25V  ELECT 10 20% 16V ELECT 10 20% 16V
CN450 CN451 CN452 CN453 CN454	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11	8 0 0 8 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P	C1 C2 C7 C9 C106	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00	O 8 8 8 8 8 8 8 8	CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 22 20% 25V ELECT 22 20% 25V ELECT 10 20% 16V ELECT 10 20% 16V CERAMIC 220pF 5% 50V
CN450 CN451 CN452 CN453 CN454 CN455	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11 1-566-441-11	8 0 0 8 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P D-SUB 15P  FERRITE BEAD	C1 C2 C7 C9 C106 C111 C112 C125 C127	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00 1-161-463-00 1-161-463-00	O	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V ELECT 22 20% 25V ELECT 22 20% 25V ELECT 10 20% 16V ELECT 10 20% 16V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V
CN450 CN451 CN452 CN453 CN454 CN456	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11 1-566-441-11	8 0 0 8 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P D-SUB 15P  FERRITE BEAD	C1 C2 C7 C9 C106 C111 C112 C125 C127	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00 1-124-462-00 1-161-463-00 1-161-463-00 1-161-463-00	O	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V ELECT 22 20% 25V ELECT 22 20% 25V ELECT 10 20% 16V ELECT 10 20% 16V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V
CN450 CN451 CN452 CN453 CN454 CN456	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11 1-566-441-11	8 0 0 8 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P D-SUB 15P  FERRITE BEAD	C1 C2 C7 C9 C106 C111 C112 C125 C127	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00 1-161-463-00 1-161-463-00 1-161-463-00 1-162-883-11	0 8 8 8 8 8 8 8 8 8 8	CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 22 20% 25V ELECT 22 20% 25V ELECT 10 20% 16V ELECT 10 20% 16V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V
CN450 CN451 CN452 CN453 CN454 CN456	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11 1-566-441-11	8 0 0 8 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P D-SUB 15P  FERRITE BEAD	C1 C2 C7 C9 C106 C111 C112 C125 C127	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-598-11 1-124-462-00 1-124-462-00 1-161-463-00 1-161-463-00 1-161-463-00	0 8 8 8 8 8 8 8 8 8 8 8	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V ELECT 22 20% 25V ELECT 22 20% 25V ELECT 10 20% 16V ELECT 10 20% 16V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V
CN450 CN451 CN452 CN453 CN454 CN456	1-624-153-13 1-124-120-11 1-559-263-11 1-564-743-11 1-508-933-00 1-561-028-00 1-563-890-11 1-563-890-11 1-566-441-11 1-535-178-00 1-535-178-00	8 0 0 0 8 8 8 8 8	ELECT 220 20% 16V  WIRE ASS'Y, FLAT TYPE (40 CORE) 13P 2P 36P SOCKET, D-SUB 9P SOCKET, D-SUB 9P D-SUB 15P  FERRITE BEAD	C1 C2 C7 C9 C106 C111 C112 C125 C127	8-759-734-36  A-6715-394-A  1-162-887-11 1-162-887-11 1-162-887-11 1-124-598-11 1-124-462-00 1-161-463-00 1-161-463-00 1-161-463-01 1-162-883-11 1-124-224-00	0 8888888888888888888888888888888888888	MOUNTED CIRCUIT BOARD, SV-82A  CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V CERAMIC 470pF 5% 50V ELECT 22 20% 25V  ELECT 22 20% 25V  ELECT 10 20% 16V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V CERAMIC 220pF 5% 50V ELECT 47 20% 6.3V ELECT 47 20% 6.3V

20% 10V

C311 1-124-236-00 s ELECT

# SV-82A/83B

					D-6 W-	Daniel W.	an	D	•			
	Ret.No.	Parts No.	SP	Description	Ker.No	. Parts No.	SP	Descript	ıon			
		1-506-748-31			Q1 Q2	8-729-600-27 8-729-600-27						
4)	CNZUG	1-506-748-11	8	DIN 96P	Q2 Q3	8-729-600-27						
4)	D1	8-719-911-19	8	155119								
4)		8-719-911-19				1-247-887-00						
		8-719-911-19 8-719-911-19			R3	1-247-887-00 1-247-887-00						
	D102	8-719-911-19				1-247-887-00						
					R1 9	1-247-887-00						
		8-719-911-19			D116	1-217-666-31		CAPRON	0.01		./6W	
		8-719-911-19 8-719-911-19				1-217-666-31					./6W	
		8-719-911-19			R170	1-247-887-00	8	CARBON :	220k	5% 1	/4W	
	D108	8-719-911-19	8	188119	R172	1-247-887-00 1-217-666-91	8	CARBON :	220k !	5% 1	./4W	
	D109	8-719-911-19	8		KI 02	1-217-000-91		SHUKI	0.01			
		8-719-911-19			R1 83	1-217-666-91	8	SHORT	0.01			
		8-719-911-19										
	1114	8-719-911-19	8	155119								
					RB1 01	1-231-557-00	8	100k x 4				
	ICI	8-759-113-55	8	uPD71054GB (NEC)								
	IC2	8-759-113-55	8	uPD71054GB (NEC)								
	IC4	8-759-113-55	8	uPD71054GB (NEC)	RVIOI	1-237-515-21	8	VAR, CER	MET 11	ζ		
	1C5 1C6	8-759-938-83	8	CF77074NT (TI)	RV102	1-237-505-21	8	VAR, CER	MET 50	)K Nr		
		0 , 3, ,50 05	·	uPD71054GB (NEC) uPD71054GB (NEC) uPD71054GB (NEC) uPD71054GB (NEC) CF77074NT (TI) CF77074NT (TI)	RV104	1-237-520-21	8	VAR, CER	MET 50	)k		
	IC7	8-759-938-83	8	CF77074NT (TI)								
	IC8 IC9	8-759-205-06	8	TC74HC74F (TOSHIBA)								
	IC10	8-759-926-97	8	CF77074NT (TI) TC74HC74F (TOSHIBA) SN74HC4024NS (TI) TC74HC14F (TOSHIBA)	S101	1-553-572-00	8	DIP (PIA	NO TYPE	3)		
	IC11	8-759-205-00	8									
	IC1 2	8-759-205-00	8	TC74HC14F (TOSHIBA) TC4053BF (TOSHIBA)								
				TC4053BF (TOSHIBA)	X101	1-567-865-11	8	VIBRATOR	12.001	Нz		
				SN74HC245NS (TI) TC74HC244F (TOSHIBA)								
				TC4052BF (TOSHIBA)								
	TC1 04	8_750_20/_97		TC74HCU04F (TOSHIBA)								
				CXK 5816M-12L (SONY)	SV-83B	BOARD						
				TC74HC138F (TOSHIBA)								
				TC74HCU04F (TOSHIBA) CXK5816M-12L (SONY) TC74HC138F (TOSHIBA) TC74HC138F (TOSHIBA) TC74HC139F (TOSHIBA)		A-6/15-403-A	٥	MOUNTED (	SIRCUIT	BOA	RD, SV-83B	
	10100	0-753-205-10	•	10/4001391 (1050115A)								
	ICI 10	8-759-205-20	8	TC74HC193F (TOSHIBA) uPD78310ACW (NEC) SN74HC4040NS (TI) uPC648C (NEC) TL084CNS (TI) TL084CNS (TI)	C1	1=124=236=00		או צריי	47	20%	107	
	IC112	8-759-926-98	8	SN74HC4040NS (TI)	C2	1-124-236-00	8	ELECT	47	20%		
	IC113	8-759-103-95	8	uPC648C (NEC)	C3	1-162-879-21	8	CERAMIC	100pF	5%	50 V	
	IC114	8-759-908-92	8	TLO84CNS (TI)	C6	1-162-879-21	8	CERAMIC	100pF	5% 5%		
	IC116	8-759-908-92	8	TLO84CNS (TI)	012	1-102-079-21		CERAMIC	TOOPE	24	50 V	
	IC117	8-759-908-92	8	TLO84CNS (TI)	C1 5	1-124-224-00	8	ELECT	47	20%	6.37	
				TC4066 BF (TOSHIBA)	C16 C31	1-124-224-00 1-124-236-00	8	ELECT ELECT	47 47	20%		
				TC4066BF (TOSHIBA) CXD1095Q (SONY)	C32	1-124-236-00		ELECT	47	20%		
				• .	C201	1-124-236-00	8	ELECT	47	20%		
				NJM78LO9A (JRC) TC74HC08F (TOSHIBA)	C202	1-124-462-00	8	ELECT	10	20%	16 V	
	22	U-127-204-30	•	107-113001 (100H1DA)	C203	1-124-234-00	8	ELECT	22	20%		
						1-131-345-00		TANTAL	0.47	10%		
	Li	1-410-476-11		MTCRO 33		1-162-885-11 1-162-885-11			330pF 330pF	5% 5%		
	L2	1-410-476-11							-	٠,		
	L3	1-410-476-11							220pF	5%		
	L4	1-410-476-11	8	MICRO 33		1-162-887-11 1-124-236-00		CERAMIC ELECT	470pF 47	5% 20%		
						1-124-236-00			<del>4</del> 7	20%		
						1-124-236-00			47	20%	10V	
					C312	1-124-236-00	8	ELECT	47	20%	10V	
							_		••	-02		

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Ref.No. Parts No. SP Description
   Ref.No. Parts No. SP Description
3) CN207 1-506-748-31 s DIN 96P
4) CN207 1-506-748-11 s DIN 96P
                                                                             1-247-883-00 s CARBON 150k 5% 1/4W
                                                                      P21
                                                                             1-247-887-00 s CARBON 220k
                                                                                                              5% 1/4W
                                                                      R1 29
                                                                            1-247-883-00
                                                                                           s CARBON 150k
                                                                                                              5%
                                                                                                                 1/4W
                                                                      R132
                                                                                                       150k
                                                                             1-247-883-00
                                                                                               CARBON
                                                                                                              5%
                                                                                                                  1/4W
                                                                      R133
                                                                                           8
                                                                             1-247-883-00
                                                                                               CARBON
           8-719-911-19 s 1SS119
   D5
                                                                                               CARBON 150k
                                                                      R222
                                                                             1-247-883-00 s
                                                                                                              5Z
                                                                                                                  1/4W
           8-719-911-19 s 1SS119
   D6
                                                                             1-247-887-11 s
                                                                                               CARBON 220k
                                                                                                              5% 1/4W
                                                                      R257
           8-719-911-19 s 1SS119
   D7
                                                                                                                  1/6W
           8-719-911-19
                                                                      R263
                                                                             1-247-666-31 s
                                                                                               SHORT
                                                                                                        0.01
                          s 188119
   D8
                                                                      R26 5
                                                                             1-247-666-31 a
                                                                                               SHORT
           8-719-911-19 s 1SS119
   D201
                                                                             1-230-838-11 s VAR, METAL FILM 200
1-237-512-21 s VAR, CERMET 100
                                                                      RV1
           8-759-132-40 s uPC324C (NEC)
   ICI
                                                                      RV2
    IC2
           8-759-908-92 s TL084CNS (TI)
                                                                             1-237-520-21 s VAR, CERMET
                                                                                                                50k
           8-759-908-92 s TL084CNS (TI)
    IC3
                                                                             1-237-518-21 s VAR, CERMET
1-237-519-21 s VAR, CERMET
           8-759-700-58
                         s NJM4558D-FA (JRC)
                                                                      RV4
                                                                                                                10k
    T C4
                                                                                               VAR, CERMET
           8-759-908-92 s TL084CNS (TI)
                                                                      RV8
                                                                                                                20k
    IC5
                                                                                               VAR, CERMET
                                                                                                                1 0k
           8-759-908-92 s TL084CNS (TI)
                                                                      RV9
                                                                             1-237-518-21 s
    IC6
           8-759-700-07 s NJM2903M (JRC)
                                                                      RV10
                                                                             1-237-518-21 s VAR, CERMET
                                                                                                                10k
    IC7
           8-759-700-07
                             NJM2903M (JRC)
                                                                      RV11
                                                                             1-237-518-21 s VAR, CERMET
                                                                                                                10k
                          8
    T CR
                                                                                               VAR, CERMET
                                                                      RV1 2
                                                                             1-237-518-21 s
                                                                                                                10k
           8-759-910-43
                          8
                             CX23028 (SONY)
    IC10
                                                                             1-237-518-21 s VAR, CERMET
           8-759-208-11 s TC4053BFHB (TOSHIBA)
                                                                      RV13
                                                                                                                10k
    IC11
                                                                      RV1 5
                                                                             1-237-521-21 s
                                                                                               VAR, CERMET
                                                                                                                100%
                         s BX3915A (SONY)
    T C201
           8-743-915-10
    IC202 8-759-208-11
                             TC4053BFHB (TOSHIBA)
                                                                      RV16
                                                                             1-237-521-21 s
                                                                                               VAR, CERMET
                                                                                                                100k
                         8
                                                                      RV201 1-237-521-21 s VAR, CERMET
                         s TC4538BF (TOSHIBA)
                                                                                                                100k
    IC203 8-759-200-90
                                                                                               VAR, CERMET
VAR, CERMET
                          s TC504013BF (TOSHIBA)
                                                                      RV202 1-237-521-21
                                                                                                                100k
           8-759-205-78
                                                                                           8
    IC204
                                                                      RV205 1-237-521-21 s
                                                                                                                100k
    IC205 8-759-200-84
                         s TC4081BF (TOSHIBA)
                                                                      RV206 1-237-521-22 s VAR, CERMET
RV210 1-237-520-21 s VAR, CERMET
                         s NJM2903M (JRC)
                                                                                                                200k
           8-759-700-07
    I C206
                         s TC4538BF (TOSHIBA)
                                                                                                                50k
           8-759-200-90
    I C207
                          s TC4024BF (TOSHIBA)
s TC4024BF (TOSHIBA)
           8-759-204-20
    IC208
           8-759-204-20
    IC209
                         s NJM2903M (JRC)
    IC210
           8-759-700-07
                                                                      81
                                                                             1-571-259-11 s SLIDE
                         s TC4011BF (TOSHIBA)
    IC211 8-759-200-68
    IC212 8-759-200-68
                          s TC4011BF (TOSHIBA)
                          s TC504013BF (TOSHIBA)
    10213 8-759-205-78
                          s TC4538BF (TOSHIBA)
s TC4538BF (TOSHIBA)
    IC214 8-759-200-90
    IC215 8-759-200-90
                                                                      SV-84P BOARD
                         s TC504013BF (TOSHIBA)
s TC504013BF (TOSHIBA)
           8-759-205-78 s
    IC216
                                                                              A-6715-386-A o MOUNTED CIRCUIT BOARD, SV-84P
    IC217 8-759-205-78
    IC218 8-759-200-90
                          s TC4538BF (TOSHIBA)
                             TC4053BFHB (TOSHIBA)
TC74HC161F (TOSHIBA)
           8-759-208-11
    IC219
           8-759-205-16
    IC220
                                                                       C1
                                                                             1-124-224-00 s
                                                                                                ELECT
                                                                                                                 20% 6.3V
                                                                              1-124-224-00 s
                                                                                                ELECT
                                                                                                         47
                                                                                                                 20% 6.3V
    IC221 8-759-200-78 s TC4030BF (TOSHIBA)
                                                                       C2
                                                                       C3
                                                                              1-124-236-00 s
                                                                                               ELECT
                                                                                                         47
                                                                                                                20% 16V
                                                                       C4
                                                                              1-124-236-00 s
                                                                                               ELECT
                                                                                                         47
                                                                                                                207
                                                                                                                      16 V
                                                                                                         47
                                                                                                                 20%
                                                                       C7
                                                                              1-124-236-00
                                                                                               ELECT
                                                                                                                       16 V
                                                                                           8
           1-410-476-11 s MICRO 33
    L
           1-410-476-11 s MICRO 33
1-410-476-11 s MICRO 33
                                                                                                ELECT
                                                                       C10
                                                                              1-124-236-00
                                                                                                                 207
                                                                                                                      16 V
    L2
                                                                                                                 5%
5%
                                                                       C11
                                                                              1-162-879-11 s
                                                                                                CERAMIC
                                                                                                        100pF
                                                                                                                      50 V
    1.3
                                                                                                                      50 V
                                                                              1-130-736-11 s
                                                                                               FILM
                                                                                                         0.01
            1-410-476-11
                          s MICRO 33
                                                                       C12
                                                                              1-124-224-00
                                                                                                ELECT
                                                                                                         47
                                                                                                                 207
                                                                                                                     6.3V
                                                                       C29
                                                                                            8
                                                                       C30
                                                                              1-124-224-00
                                                                                                ELECT
                                                                                                         47
                                                                                                                 20%
                                                                                                                      6.37
                                                                       C31
                                                                              1-124-236-00 s
                                                                                                ELECT
                                                                                                         47
                                                                                                                 20%
                                                                                                                       16 V
            8-729-201-04 s 2SC2878
    O2
            8-729-201-04
                                                                       C32
                                                                              1-124-236-00
                                                                                            8
                                                                                                FLECT
                                                                                                         47
                                                                                                                 20%
                                                                                                                       16V
                          s 2SC2878
    O3
                                                                              1-124-234-00
                                                                                                ELECT
                                                                                                         22
                                                                                                                 20%
                                                                                                                       167
                                                                       C100
            8-729-201-04 s 2SC2878
                                                                                           8
     Q4
                                                                                                CERAMIC
                                                                       C105
                                                                              1-162-887-11 s
                                                                                                         470pF
                                                                                                                       50 V
     Q5
            8-729-201-04 s 2SC2878
                                                                              1-162-887-11 s
                                                                                                CERAMIC 470pF
                                                                                                                  5%
                                                                                                                       50 V
                                                                       C106
            8-729-201-04 s 2SC2878
     Q8
                                                                                                CERAMIC
                                                                                                                       50 V
                                                                       C107
                                                                              1-162-887-11 s
                                                                                                         470pF
                                                                                                                  5%
            8-729-611-53 s 2SA1115-F
     09
                                                                              1-162-879-11 s
                                                                       C111
                                                                                                CERAMIC
                                                                                                         100pF
                                                                                                                  5%
                                                                                                                       50 V
                                                                              1-162-879-11 s
                                                                                                                       50 V
                                                                       C112
                                                                                                CERAMIC 100pF
                                                                                                                  5%
                                                                              1-124-254-00 s
                                                                                                ELECT
                                                                                                         0.68
                                                                                                                 20%
                                                                                                                       50 V
                                                                       C116
                                                                       C117
                                                                              1-124-254-00 s ELECT
                                                                                                         0.68
                                                                                                                 20%
                                                                                                                       50 V
```

Ref	.No.	Parts No.	SP	Descript	ion			Ref.No	. Parts No.	SP	Descrip	tion		
C11 C11 C12 C12 C12	19 20 21	1-124-261-00 1-124-261-00 1-162-879-11 1-130-736-11 1-136-287-11	8 8 8	ELECT	10 10 100pF 0.01 4700pF	207 207 57 57 57	50 V 50 V 50 V 50 V 50 V	IC113 IC114 IC115	8-759-201-53 8-759-201-53 8-759-926-37 8-759-926-37 8-759-931-55	8 8	TC40 HOO SN7 4HC1 SN7 4HC1	OF (TO 93NS ( 93NS (	SHIE TI) TI)	
C12 C13 C13 C20 C20	30 31 02	1-130-736-11 1-124-462-00 1-124-236-00 1-123-611-00 1-124-261-00	8 8 8	ELECT	0.01 10 47 1	5% 20% 20% 20% 20% 20%	50 V 16 V 16 V 50 V 50 V		8-759-205-39 8-759-205-06	8 8 8	TC74HC7	049F ( 4F (TC 2F (TC	TOSE SHIE SHIE	A)
C20 C21 C21 C21	08 12 13	1-123-611-00 1-124-261-00 1-123-611-00 1-124-261-00 1-123-611-00	8 8	ELECT ELECT	1 10 1 10 1	20% 20% 20% 20% 20%	50 V 50 V 50 V 50 V 50 V		8-759-700-07 8-759-208-11		NJM2 903 TC40 53 E			(BA)
C21 C21 C2:	l 7 l 9	1-123-611-00 1-162-879-11 1-162-879-11	8		1 100pF 100pF	20% 5% 5%	50 V 50 V 50 V	L1 L2 L3 L4	1-410-476-11 1-410-476-11 1-410-476-11 1-410-476-11	8 8	MICRO 3 MICRO 3 MICRO 3 MICRO 3	3 3		
		1-506-748-31 1-506-748-11	8	DIN 96P DIN 96P				Q1 Q2 Q3 Q4 Q5	8-729-201-05 8-729-201-05 8-729-201-05 8-729-900-89 8-729-900-89	8 8 8		-в -в :S		
D1 D2 D4 D5		8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	8 8	188119 188119 188119				Q1 00 Q1 01 Q1 02 Q1 03	8-729-900-89 8-729-103-43 8-729-611-53 8-729-900-89	8 8 8	DTC1 44E 2SB7 34* 2SA111 5 DTC1 44E	S (28) -F S		
D1 D1	01 02 03 04 05	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	8 8 8	188119				Q104 Q105 Q106 Q107 Q108	8-729-201-05 8-729-201-05 8-729-900-89 8-729-900-89 8-729-900-89	8 8	DTC1 44E DTC1 44E	I-B IS IS		
D2	01 02 03 04	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	8 8	188119 188119				Q110 Q111 Q113	8-729-201-05 8-729-900-89 8-729-201-05 8-729-900-89	. 8	2SC2878	S -B		
IC IC IC	2 3 4	8-759-700-07 8-759-908-92 8-759-908-92 8-759-700-07 8-759-200-90	8 8	TL084CNS TL084CNS NJM2903M	(TI) (TI) (JRC)	BA)		R6 R1 4 R28 R47 R53	1-247-903-00 1-247-903-00 1-247-887-00 1-247-883-00 1-247-883-00	8 8 8	CARBON	1 M 220k 1 50k	5% 5% 5%	1/4W 1/4W 1/4W 1/4W
IC	7 8 100 101	8-759-208-11 8-759-910-43 8-759-200-68 8-759-981-90 8-743-914-00	8 8 8	CX23028 TC4011BF RC4558D- BX3914 (	(SONY) (TOSHI D (RAYT SONY)	BA) HEON)		R1 08 R1 1 5 R1 1 8 R1 23 R1 24	1-247-887-00 1-247-887-00 1-247-887-00 1-247-887-00 1-247-887-00	8 8 8 8	CARBON CARBON CARBON CARBON	220k 220k 220k 220k	52 52 52 52 52 52	1/4W 1/4W 1/4W 1/4W 1/4W
10 10 10	103 104 105 106	8-759-208-11 8-759-208-11 8-759-208-11 8-759-200-90 8-759-200-67	8 8 8 8	TC40 53 BF TC40 53 BF TC40 53 BF TC4538 BF TC4001 BF	THB (TOS: THB (TOS: THB (TOSHI: THE (TOSHI:	HIBA) HIBA) BA) BA)		R1 34 R1 36 R1 41 R1 45 R1 60	1-247-887-00 1-247-881-00 1-247-887-00 1-247-881-00 1-247-891-00	8 8 8 8	CARBON CARBON CARBON CARBON CARBON	220k 120k 330k	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
IC IC	108 109 110	8-759-200-83 8-759-200-90 8-759-907-81 8-759-908-92 8-759-200-90	8 8	TC4071 BF TC4538BF SN7 4LS22 TL084CNS TC4538BF	(TOSHI INS (TI (TI)	BA)		R206 R21 4 R222 R228 R250	1-247-887-00 1-247-887-00 1-247-887-00 1-247-887-00 1-247-887-00	8 8 8 8	CARBON CARBON CARBON CARBON CARBON	220k 220k 220k 220k 220k 220k	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W

```
Ref.No. Parts No. SP Description
         1-247-887-00 s CARBON 220k 5% 1/4W
1-247-887-00 s CARBON 220k 5% 1/4W
1-247-887-00 s CARBON 220k 5% 1/4W
R258
R259
R260
          1-237-517-21 s VAR, CERMET
RV1
           1-237-518-21 s VAR, CERMET
                                                        10k
RV2
           1-237-518-21 s VAR, CERMET
                                                        10k
RV4 1-237-522-21 s VAR, CERMET
RV100 1-237-522-21 s VAR, CERMET
                                                         200k
                                                         200k
RV101 1-237-520-21 8 VAR, CERMET 50k
RV102 1-237-521-21 8 VAR, CERMET 100k
RV202 1-237-503-21 8 VAR, CERMET 10k
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#### SW-144A BOARD

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1-622-573-13 o PRINTED CIRCUIT BOARD, SW-144
```

C9	1-124-236-00	8	ELECT 47	20%	16 V
CIO	1-124-236-00	8	ELECT 47	20%	16 V
010	1 124 230 00	•			
D1	8-719-800-86	8	TLG255		
D2	8-719-800-86	8	TLG2 55		
D3	8-719-800-89	8	TLY255		
D4	8-719-800-89	8	TLY255		
D 5	8-719-800-86	8	TLG255		
-	•				
7מ	8-719-800-86	8	TLG255		
D10	8-719-800-86	8	TLG255		
Dil	8-719-911-19	8	188119 TLG255		
D1 2	8-719-800-86	8	116255		
Q1	8-729-900-63	8	DTA1 24ES		
Q2	8-729-900-63	8	DTA1 24ES		
Q3	8-729-900-63	8	DTA1 24ES		
R3	1-247-706-11	8		30 57	
R4	1-247-706-11	8		30 57	
R6	1-247-706-11	8		30 57	
R1 7	1-247-710-11	8	CARBON 56	50 5%	1/4W
	•				
	_				
Sl	1-516-995-00	8	LEVER SLI		
S3	1-516-961-00	8	LEVER SLI		
84	1-516-995-00	8	LEVER SLI	DE	

Ref.No. Parts No. SP Description

#### 5) SW-261 BOARD

All of the component parts on the SW-261 Board are supplied together when you order the TBC-7P board.

1-624-101-11 o PRINTED CIRCUIT BOARD, SW-261

R1 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W

RV1 1-228-459-11 s VAR, CERMET 10k

#### SY-61A BOARD

IC6 8-759-736-27 8 C256A-BVW65P V2.00 SY1
IC39 8-759-736-28 8 C512-BVW65P V2.00 SY2

10) A-6717-476-A o MOUNTED CIRCUIT BOARD, SY-61A
11) A-6717-476-B o MOUNTED CIRCUIT BOARD, SY-61A

Cl	1-124-236-00	8	ELECT	47	20%	10V
C3	1-126-103-11	8	ELECT	470	20%	16 V
C5	1-126-103-11	5	ELECT	470	20%	16 V
C101	1-124-462-00	8	ELECT	10	20%	16 V
C107	1-162-720-11	8	CERAMIC	270pF		50 V
C108	1-124-234-00	8	ELECT	22	20%	16 V
C111	1-162-887-11	8	CERAMIC	470pF	5%	50 V
C201	1-124-462-00	8	ELECT	10	20%	16 V
C209	1-107-169-00	8	MI CA	100pF	5%	500 V
C21 0	1-107-169-00	8	MICA	100pF	5%	500 V
C21 2	1-123-611-00	8	ELECT	1	20%	50 V
C21 3	1-123-611-00	8	ELECT	1	20%	50 V
C302	1-102-114-00	8	CERAMIC	470pF	10%	50 V
C305	1-124-462-00	8	ELECT	10	20%	16 V
C309	1-102-106-00	8	CERAMIC	100pF	10%	50 V

3) CN301 1-506-748-31 s DIN 96P

4) CN301 1-506-748-11 s DIN 96P 3) CN302 1-506-748-31 s DIN 96P 4) CN302 1-506-748-11 s DIN 96P

CV101 1-141-297-11 s TRIMMER, CERAMIC 90pF CV102 1-141-260-00 s TRIMMER, CERAMIC 30pF

D101 8-719-800-60 s TLR214 8-719-911-19 s 1SS119 D102 8-719-911-19 8 188119 D103 8-719-911-19 s 1SS119 D104

8-719-911-19 s 1SS119

# :Y-61A/64AP

	Ref.No.	Parts No.	SP	Description		Ref.No.	. Parts No.	SP	Descript	ion		
				-								
		8-719-911-19				Ll	1-459-155-00	8	45 (WITE	(CORE)		
	D203	8-719-911-19	8	155119								
		8-719-911-19										
		8-719-911-19			12)	R247	1-217-666-31	_	CUADT	0.01	1/6%	•
	D206	8-719-911-19	8	155119	13/		1-247-881-00					
	D301	8-719-911-19		100110		R307	1-247-887-00					
		8-719-911-19				R315	1-247-887-00	8	CARBON	220k 5	Z 1/40	,
		8-719-911-19						•			,	
		0 127 722 27	_									
						S101	1-570-707-11					
	ICl			SN74LS244N (TI)			1-553-812-00					
	IC2			SN74LS245N (TI)		S103	1-553-812-00					
				SN74LS244N (TI)		S105	1-553-812-00					
	IC4			MBM2212-25P (FUJITSU)		S106	1-552-509-00	8	DIE			
	105	8-732-321-24		CXK5816PN-12L (SONY)		S202	1-570-707-11	•	SLIDE			
	IC7	9_750_208_86	۰	TMPZ84C011AF (TOSHIBA)		S203	1-570-623-11					
	108			TC74HCU04P (TOSHIBA)		S204	1-570-623-11					
	109			M54529AP (MITSUBISHI)		S206	1-553-812-00					
	IC10			TC74HC11P (TOSHIBA)		S302	1-552-509-00					
	IC11			TC74HC138P (TOSHIBA)								
		• • • • • • • • • • • • • • • • • • • •										
	IC12			TC74HC138P (TOSHIBA)								
	IC13			TC74HC14P (TOSHIBA)		X1	1-567-132-00					
	IC14	8-759-240-50	8	TC4050BP (TOSHIBA)		X2	1-567-870-11	8	VIBRATOR	8 614.00	kHz	
				TC4053BP (TOSHIBA)								
11)	1015	8-759-208-10	8	TC4053BFHB (TOSHIBA)								
				mor/worden (moover)								
	IC16			TC74HC595P (TOSHIBA) MC74HC597N (MOTOROLA)								
	IC17 IC18			NJH78LO5A (JRC)		44.4.45	P BOARD					
	IC19			MB88303 (FUJITSU)		01 044	2 DURAD					
	IC20			AM26LS3OPC (AMD)			A-6717-487-A	0	MOUNTED	CIRCUIT	BOARD.	SY-64AP
	1020	0-755-520-50		mile most of (mm)				-			J 011112,	D. 0
	IC21	8-759-202-27		TC74HC157P (TOSHIBA)								
				TC74HC157P (TOSHIBA)								
	IC23			CXK5816PN-12L (SONY)		C1	1-126-103-11			470	20%	16 V
	IC24	8-759-202-13	8	TC74HCU04P (TOSHIBA)		C3	1-124-135-00			470	20%	6.3V
	IC25	8-759-729-03	8	NJM2903D (JRC)		C4	1-124-455-00			100	20%	16 V
						C7	1-124-462-00			10	20%	16 V
	IC26			MC34051P (MOTOROLA)		C9	1-124-462-00	8	ELECT	10	20%	16 V
	IC27			TMPZ84C011AF (TOSHIBA)		C11	1-124-462-00		RI RCT	10	20%	16 V
				TC74HC245P (TOSHIBA) TC74HC245P (TOSHIBA)		C1 2	1-124-242-00			33	20%	25V
				BUI 8430A (ROHM)		C13	1-124-242-00			33	20%	25V
	1030	0-737-337-03	•	BOLO-SON (ROLLI)		C15	1-124-462-00			10	20%	16 V
	IC31	8-759-600-61		M54529AP (MITSUBISHI)		C16	1-123-611-00	8	ELECT	1	20%	50 V
				M54529AP (MITSUBISHI)								
	IC33	8-759-207-73	8	TC4030BPHB (TOSHIBA)		C27	1-102-951-11					50 V
				TC74HC08P (TOSHIBA)		C28	1-102-947-00					50 V
	1C35	8-759-906-97	8	SN74LS697N (TI)		C32	1-124-462-00			10	20%	16 V
	1000	0.750.006.07	_	CN7/10/07N /MT)		C61 C63	1-124-236-00			47 47	20%	16 V
	IC36 IC37	8-759-906-97 8-759-600-61	8	SN74LS697N (TI) M54529AP (MITSUBISHI)		C03	1-174-730-00	8	ELECT	47	20%	16 V
	IC3/	8-759-938-68		CXD10950 (SONY)		C65	1-161-463-00		CEDANTC	22058	5%	50 V
	IC40	8-752-328-11				C66	1-161-463-00		CERAMIC		5%	50 V
	IC41	8-759-939-04				C67	1-124-462-00		ELECT	10	20%	16 V
	1041	0-733-337-04	•	BULUTTON (NOMIL)		C68	1-124-236-00	8		47	20%	16 V
	IC42	8-759-202-21		TC74HC32P (TOSHIBA)		C71	1-124-465-00	8	ELECT	0.47	20%	50 V
	IC43	8-759-202-21										
	IC44	8-759-202-11				C72	1-162-889-11	8	CERAMIC		5%	50 V
	IC45	8-759-603-32		M51958BL (MITSUBISHI)		C74	1-161-463-00	8			57	50 V
	IC46	8-759-202-14	. 8	TC74HC08P (TOSHIBA)		C75	1-102-106-00	8			10%	50 V
						C302	1-124-462-00	8	ELECT	10	20%	16 V
	IC47			MC14538BCP (MOTOROLA)		C305	1-124-462-00	8	ELECT	10	20%	16 V
	IC48	8-759-240-69				C309	1-162-990 11	_	CEDYALC	120-2	E.	5037
	IC49	8-759-001-14				C310	1-162-880-11 1-102-947-00		CERAMIC CERAMIC		5%	50 V
	IC50 IC51	8-759-202-21				C311	1-102-947-00	8	CERAMIC			50 V 50 V
	1031	8-759-202-13	. 8	TC74HCU04P (TOSHIBA)		C31 2	1-124-462-00	8	ELECT	10 pr 10	20%	16 V
	IC52	8-759-202-89	, e	TC74HC139P (TOSHIBA)		C313	1-162-880-11	8	CERAMIC		5%	507
	IC53	8-759-202-12				-		_		<b>F</b> -		J
			-									

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Ref.No. Parts No. SP Description
   Ref. No. Parts No. SP Description
                                                                      IC19
                                                                             8-759-912-64 s
                                                                                              PA0009 (PIONEER)
          1-124-462-00 s
                             ELECT
                                      10
                                               20%
                                                     16 V
   C314
                                                                      IC20
                                                                             8-759-901-23 s
                                                                                               SN74LS123N (TI)
   C31 5
           1-124-236-00 s
                             ELECT
                                      47
                                               20%
                                                     16 V
                                                                             8-759-202-74 s
                                                                                               TC74HC04P (TOSHIBA)
                             CERAMIC 120pF
                                                                      IC21
                                                     50 V
   C316
           1-162-880-11
                         8
                                                57
                                                                      IC25
                                                                             8-759-901-23 s
                                                                                               SN74LS123N (TI)
                             ELECT
                                               20%
                                                     25V
           1-124-247-00
                                      10
   C317
                         8
           1-124-236-00
                                                                      IC26
                                                                             8-759-240-50 s
                                                                                              TC4050BP (TOSHIBA)
   C318
                                                                             8-759-202-11 s
                                                                      IC27
                                                                                               TC74HC00P (TOSH,IBA)
           1-124-236-00
   C319
                         8
                             EL.ECT
                                       47
                                               207
                                                     16 V
                                                                                              TA7267BP (TOSHIBA)
TA7267BP (TOSHIBA)
TC4538BP (TOSHIBA)
                                                                             8-759-234-04 s
           1-102-106-00
                                      100pF
                                                     50 V
                                                                      IC30
                             CERAMIC
                                               107
   C352
                         8
                                                                      IC31
                                                                             8-759-234-04 s
           1-129-794-00
                            FILM
                                      0.0033
                                                5%
                                                    100V
                         8
   C401
                             CERAMIC
                                                                      IC32
                                                                             8-759-245-38
                                                                                           8
           1-162-887-11
                         8
                                       470pF
                                                     50 V
   C404
                                                                                               TC74HC32P (TOSHIBA)
                                                                             8-759-202-21 s
                             ELECT
                                       47
                                               20%
                                                    6.3V
                                                                      IC34
   C405
           1-124-224-00
                                                                      IC35
                                                                             8-759-240-01
                                                                                               TC4001BP (TOSHIBA)
   C406
           1-130-726-00
                         8
                            FILM
                                      0.0015
                                                52
                                                    100V
                                                                                              HD14013BP (HITACHI)
                             CERAMIC 330pF
                                                                      IC36
                                                                             8-759-340-13 s
                                                5%
                                                     507
           1-162-885-11
    C409
                         8
                                                                             8-759-600-34 s
                                                                                               M54532P (MITSUBISHI)
                                                    6.3V
                                                                      IC37
           1-124-224-00
                             ELECT
                                       47
                                               20%
    CALO.
                          8
                                                                             8-759-202-14
                                                                                               TC74HC08P (TOSHIBA)
           1-123-611-00
                          8
                            ELECT
                                               20%
                                                      50 V
                                                                      IC38
                                                                                           8
    C412
                                                                                               TC74HC4050P (TOSHIBA)
                                                                      IC39
                                                                             8-759-202-37
                                       2.2
                                                      50 V
    C413
           1-124-257-00
                            ELECT
                                               20%
                                               207
                                                                      IC40
                                                                             8-759-938-68 s
                                                                                               CXD1095Q (SONY)
                                       47
                                                     16 V
           1-124-236-00 s ELECT
    C41 4
                                                                      IC41
                                                                             8-759-202-14 s
                                                                                               TC74HC08P (TOSHIBA)
                                                                             8-752-321-24 s
                                                                                               CXK 5816 PN-12L (SONY)
                                                                      IC42
                                                                      IC43
                                                                             8-759-202-33 s
                                                                                               TC74HC240P (TOSHIBA)
                                                                                               CX7913A (SONY)
                                                                      IC44
                                                                             8-759-910-76
    CN303 1-568-144-11 s DIN 96P
    CN304 1-568-144-11 s DIN 96P
                                                                      TC45
                                                                             8-759-645-23 s M54523P (MITSUBISHI)
    CN305 1-566-311-11 s DIN 10P
                                                                                               CXD1095Q (SONY)
CXD1095Q (SONY)
TC74HC04P (TOSHIBA)
                                                                             8-759-938-68
                                                                      IC46
                                                                                           8
                                                                      IC47
                                                                             8-759-938-68 s
                                                                             8-759-202-74
                                                                      IC48
                                                                      IC49
                                                                             8-752-321-24
                                                                                               CXK5816PN-12L (SONY)
           8-719-200-02 s 10E2
    D2
           8-719-200-02
                          s 10E2
    D3
                                                                      IC50
                                                                                               TC74HC244P (TOSHIBA)
           8-719-200-02
                          s 10E2
                                                                             8-759-202-55 B
    D4
                                                                      IC51
                                                                             8-759-909-72 s
                                                                                               CX7912A (SONY)
                          s 10E2
    D5
           8-719-200-02
                                                                             8-759-202-37 s
                                                                      IC52
                                                                                               TC74HC4050P (TOSHIBA)
           8-719-200-02 s 10E2
    D6
                                                                             8-759-340-13
                                                                                               HD14013BP (HITACHI)
                                                                      IC53
                                                                      IC54
                                                                             8-759-203-83 s
                                                                                               TC74HC4538P (TOSHIBA)
    D17
           8-719-200-02 s 10E2
           8-719-200-02
                         s 10E2
    D18
    D19
           8-719-911-19 s 1SS119
    D20
           8-719-911-19
                          s 1SS119
                                                                             1-459-155-00 s 45 (WITH CORE)
 8) D301
           8-719-911-19 s 1SS119
                                                                      L301
                                                                             1-410-482-31 s MICRO 100
                                                                             1-410-482-31 s MICRO 100
           8-719-101-97
                                                                      L302
    D302
                             1SS97-1
                          s 1SS97-1
           8-719-101-97
    D303
    D304
           8-719-911-19
                          s 1SS119
    D305
           8-719-911-19
                          8
                             155119
                                                                             8-729-600-27 s 2SC634SP
8-729-117-54 s 2SA1175
                                                                      01
           8-719-911-19
                         s 1SS119
    D306
                                                                      Q2
                                                                             8-729-600-27 s 2SC634SP
    D307
           8-719-911-19 s 1SS119
                                                                      Q301
                                                                             8-729-600-27 s 2SC634SP
                                                                             8-729-201-05 s 2SC2878
                                                                      Q302
                                                                      0303
                                                                             8-729-201-05 s. 2SC2878
    IC1
           8-743-430-00 s
                             BX343 (SONY)
                                                                             8-729-201-05 s 2SC2878
8-729-201-05 s 2SC2878
                                                                      Q304
           8-759-800-72 s
8-759-800-72 s
                             LA7205 (SANYO)
LA7205 (SANYO)
    IC2
                                                                      Q305
    IC3
                          8
                             uPD78312CW-608 (NEC)
    IC4
           8-759-114-14
    IC5
           8-759-990-82 s
                             TL082CP (TI)
                                                                      R73
                                                                             1-247-903-00 s CARBON 1M 5% 1/4W
                             TC4016BP (TOSHIBA)
17) IC6
           8-759-240-16 s
           8-759-208-12 s
                             TC4016 BPHB (TOSHIBA)
                                                                      R301
                                                                             1-247-903-00 s
                                                                                               CARBON 1M 5% 1/4W
18) 106
                                                                             1-247-903-00
                                                                      R305
                                                                                            8
                                                                                               CARBON
                                                                                                      1M 5% 1/4W
    IC7
            8-759-990-82 s
                             TL082CP (TI)
                                                                      R318
                                                                             1-247-903-00
                                                                                               CARBON
                                                                                                       1M 5%
                                                                                                                1/4W
            8-759-942-18 s
                             TLC548CP (TI)
    IC9
                                                                      R411
                                                                             1-217-666-31 s
                                                                                               SHORT
                                                                                                       0.01
                                                                                                                1/6W
           8-759-203-35 s TC74HC373P (TOSHIBA)
    IC10
                                                                             1-217-666-31 s SHORT
1-217-666-31 s SHORT
                                                                                                                1/6W
           8-752-321-24 s CXK5816PN-12L (SONY)
                                                                      R412
                                                                                                       0.01
    IC11
                                                                      R413
                                                                                                       0.01
                                                                                                                1/6W
           8-759-990-84 s TL084CN (TI)
    IC15
    IC16
           8-759-990-84
                         s TLO84CN (TI)
            8-759-990-82 s TL082CP (TI)
    IC17
           8-759-400-06 s AN608P (MATSUSHITA)
     IC18
                                                                      RB301 1-231-387-00 s NETTY
RB302 1-231-387-00 s NETTY
    IC19
            8-759-912-64 s
                             PA0009 (PIONEER)
                             TLO84CN (TI)
    IC15
            8-759-990-84
            8-759-990-84
                             TL084CN (TI)
     IC16
    IC17
            8-7 59-007-40
                          8
                             TLOSCOP (TI)
                                                                      RV303 1-237-521-21 s
                                                                                               VAR, CERMET
                                                                                                            100k
           8-759-400-06 s AN608P (MATSUSHITA)
    IC18
                                                                                               VAR, CERMET
                                                                             1-237-521-21
                                                                                                             100k
                                                                      RV304
                                                                      RV305
                                                                             1-237-521-21
                                                                                               VAR,
                                                                                                    CERMET
                                                                                                             100k
                                                                            1-237-521-21
                                                                                                    CERMET
                                                                                               VAR.
                                                                                                             100k
```

	Ref.No.	. Parts No.	SP	Description			Ref.No	. Parts No.	SP	Description		
										<u>-</u>		
	Sl	1-571-060-11					C276	1-163-037-11				25V
	8301	1-552-509-00					C277	1-163-037-11				25V
	S302	1-552-509-00	8	DIP			C281	1-163-037-11			10%	25V
							C284	1-163-037-11				25V
							C288	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	X1	1-567-867-11	8	14.500MHz			C290	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	X301	1-527-828-00	8	12.000MHz			C291	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
							C293	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
							C295	1-163-037-11			10%	25V
							C302	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
							C400	1-163-037-11		CERAMIC CHIP 0.022	107	25V
18)	TBC-7D	ROARD					C402	1-163-037-11			107	25V
,							C403	1-163-037-11				25V
		A-6727-094-A	0	MOUNTED CIRCUIT BOAR	D, T	BC-7D	C405	1-135-076-21	8	TANTAL 1	107	35V
					-		C408	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
							C41 2	1-163-037-11		CERAMIC CHIP 0.022	107	25V
	C1 00	1-163-037-11		CERAMIC CHIP 0.022	107	25V	C41 8	1-163-037-11		CERAMIC CHIP 0.022	10%	25V
	C1 02	1-163-037-11				25V 25V	C419	1-163-037-11			107	25V
	C1 03	1-163-037-11				25V	C421	1-163-037-11				25V
	C105	1-135-076-21			107	35V	C422	1-163-037-11		CERAMIC CHIP 0.022		25V
	C108	1-163-037-11				25V						-5.
							C424	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C1 1 0	1-163-037-11				25V	C504	1-163-037-11				25V
	C1 1 1	1-163-037-11				25V	C509	1-163-037-11				25V
	C1 1 5	1-163-037-11				25V	C511	1-163-037-11				25V
	C1 21	1-163-037-11				25V	C521	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C1 24	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V	C522	1_163_037_11		CERAMIC CHIP 0.022	107	2 5 17
	C1 25	1-163-037-11		CERAMIC CHIP 0.022	107	25V	C524	1-163-037-11				25V 25V
	C1 26	1-163-037-11				25V 25V	C526	1-162-638-11			10%	16 V
	C1 28	1-163-037-11				25V	C527	1-162-568-11				257
	C130	1-163-037-11				25V	C529	1-163-037-11			107	25V
	C135	1-163-037-11				25V						
							C531			CERAMIC CHIP 0.022		25V
	C205	1-163-037-11				25V	C533	1-163-037-11				257
	C206	1-163-037-11				25V	C535	1-163-037-11				257
	C209	1-163-037-11				25V	C536	1-163-037-11		CERAMIC CHIP 0.022		25V
	C211 C213	1-163-037-11 1-163-037-11				25V 25V	C537	1-163-037-11	В	CERAMIC CHIP 0.022	104	25V
	0213	1-103-037-11	•	CERMINO CHII 0.022	10%	254	C540	1-163-037-11	8	CERAMIC CHIP 0.022	107	25V
	C217	1-163-037-11	8	CERAMIC CHIP 0.022	102	25V	C542	1-163-037-11				25V
	C219	1-163-037-11				25V	C545	1-163-037-11	8			25V
	C221	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V	C548	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C225	1-162-568-11				25V	C550	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C226	1-162-638-11	8	CERAMIC CHIP 1		16 V	2555					
		. 162 027 11	_	OFFICE OF THE CO.			C555			CERAMIC CHIP 0.022		25V
	C227 C228	1-163-037-11		CERAMIC CHIP 0.022 CERAMIC CHIP 0.33	10%	25V 25V	C558 C559	1-163-037-11 1-163-037-11				25V 25V
	C228	1-162-638-11				25V 16V	C566	1-163-037-11				25V
	C231	1-162-030-11		<del>-</del>	107	25V	C56 9			CERAMIC CHIP 0.022	10%	25V
	C234			CERAMIC CHIP 0.022					-			-5.
			-				C57 5	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C236	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V	C578	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C242	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C581	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C243	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C583	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C245	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C600	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C2 46	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V	C611	1-163-037-11	8	CERAMIC CHIP 0.022	107	2511
	C248	1-163-037-11	8	CERAMIC CHIP 0.022	10*	25V	C612	1-163-037-11	8		10%	25V 25V
	C2 53	1-163-037-11	8	CERAMIC CHIP 0.022		25V 25V	C613	1-163-037-11	8	CERAMIC CHIP 0.022		25V
	C2 54	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C615	1-163-037-11	8	CERAMIC CHIP 0.022		25V
	C2 55	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C6 51	1-163-037-11	8	CERAMIC CHIP 0.022		25V
	C2 59	1-163-037-11	8	CERAMIC CHIP 0.022		25V						
							C701	1-163-037-11	8	CERAMIC CHIP 0.022		25V
	C263	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C704	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C26 5	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V	C706	1-163-037-11	8	CERAMIC CHIP 0.022		25V
	C270	1-162-638-11	8	CERAMIC CHIP 1		16 V	C708	1-163-037-11	8	CERAMIC CHIP 0.022		250
	C271	1-163-037-11	8	CERAMIC CHIP 0.022		25V	C7 50	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	C273	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V						

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Ref.No. Parts No. SP Description
Ref. No. Parts No. SP Description
                                                                        IC101 8-749-901-45 s SBX4002-01 (NEC)
       1-163-037-11 s
                          CERAMIC CHIP 0.022 10% 25V
C801
                                                                        IC102 8-759-908-15 s TL431CLP (TI)
IC103 8-759-908-17 s TL082CPS (TI)
       1-163-037-11 s
                          CERAMIC CHIP 0.022 10% 25V
C804
                          CERAMIC CHIP 0.022 10%
                                                    25V
       1-163-037-11 s
       1-163-037-11 s
1-163-037-11 s
                                                                        IC105 8-752-032-55 s
                                                                                                  CXA1096M (SONY)
                          CERAMIC CHIP 0.022 10%
                                                     25V
CR07
                          CERAMIC CHIP 0.022
                                                                        IC108 8-759-948-32 s CXD1310AM (SONY)
C902
                                                                        IC201 8-759-201-47 s TA7357AP (TOSHIBA)
IC203 8-759-941-27 s MB4002PF (FUJITSU)
IC205 8-759-941-27 s MB4002PF (FUJITSU)
                          CERAMIC CHIP 0.022 10%
CERAMIC CHIP 0.022 10%
C905
       1-163-037-11 s
                                                     25V
       1-163-037-11 s CERAMIC CHIP 0.022 10Z
1-163-037-11 s CERAMIC CHIP 0.022 10Z
                                                     25V
C908
                                                     25V
C911
                                                                        IC206
IC207
                          CERAMIC CHIP 0.022 10%
                                                     25V
                                                                               8-759-907-81 s SN74LS221NS (TI)
       1-163-037-11
C914
                                                                               8-759-908-17 s TL082CPS (TI)
        1-163-037-11 s
                          CERAMIC CHIP 0.022 10%
                                                     257
C917
                                                                                                  SN74LS06NS (T1)
                          CERAMIC CHIP 0.022 10%
                                                                        IC208 8-759-941-17 s
       1-163-037-11 s
C920
                                                                        IC209 8-759-012-00 s MC10H116M (MOTOROLA)
IC210 8-759-012-13 s MC10H125M (MOTOROLA)
        1-163-037-11 s
                          CERAMIC CHIP 0.022 10%
                                                     25V
C923
        1-163-037-11 s
                          CERAMIC CHIP 0.022 10% 25V
C926
                                                                        IC211 8-759-230-23 s
                                                                                                  CXD1045AQ (SONY)
                                                     25V
C929
        1-163-037-11 s
                          CERAMIC CHIP 0.022 10%
                                                                        IC212 8-749-901-21 s
                                                                                                  BX1461 (SONY)
        1-163-037-11 s CERAMIC CHIP 0.022 10%
                                                     25V
       1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
                                                                        IC213 8-759-908-17 s TL082CPS (TI)
C935
                                                                                                  TL601CPS (TI)
                                                                        IC214 8-759-945-29 s
                                                                        IC215 8-759-907-81 s
                                                                                                  SN74LS221NS (TI)
                                                                               8-749-901-20
                                                                                                 BX1460 (SONY)
                                                                        IC216
                                                                                             8
CNI 08 1-506-746-11 s DIN 48P
CNI 09 1-506-748-11 s DIN 96P
                                                                                                  uPC319G2 (NEC)
                                                                        IC218 8-759-239-58 s TC74HC221AF (TOSHIBA)
                                                                               8-759-205-06 s
                                                                                                  TC74HC74F (TOSHIBA)
                                                                        IC219
                                                                                                  TL082CPS (TI)
                                                                        IC220 8-759-908-17 s
                                                                                8-759-945-29 s
                                                                                                  TL601CPS (TI)
       8-719-105-82 s RD5.1M-B2
                                                                        IC221
 001G
                      s RD6.2M-B2
                                                                        IC222 8-759-100-97 s
                                                                                                 uPC339G2 (NEC)
        8-719-106-08
 D200
 D202
        8-719-915-43 s FC54M
                                                                                8-759-205-08 s TC74HC86F (TOSHIBA)
        8-719-915-43 s FC54M
                                                                        IC223
 D203
                                                                                                  TC74HC08F (TOSHIBA)
        8-719-915-43 s FC54M
                                                                               8-759-204-98
                                                                        IC224
                                                                                              8
 D204
                                                                                8-759-908-17 s
                                                                                                  TLO82CPS (TI)
                                                                        IC225
        8-719-938-98 s FC51M
                                                                                8-759-945-29
                                                                                                  TL601CPS (TI)
 D205
                                                                        IC226
                                                                        IC228 8-759-908-17 s TL082CPS (TI)
        8-719-938-98 s FC51M
 D206
 D207
        8-719-938-98 B FC51M
                                                                        IC231
                                                                                8-759-204-98 s TC74HC08F (TOSHIBA)
 D208
        8-719-101-23 s 1SS123
8-719-100-03 s 1S2835
                                                                                                  TL601CPS (TI)
                                                                        IC232
                                                                                8-759-945-29 s
 D209
                                                                        IC234 8-759-205-17 8 TC74HC174F (TOSHIBA)
IC235 8-759-205-12 8 TC74HC157F (TOSHIBA)
IC236 8-759-205-12 8 TC74HC157F (TOSHIBA)
        8-719-105-82 s RD5.1M-B2
 D210
        8-719-106-53 s RD10M-B2
 D211
        8-719-938-98 s FC51M
 D21 2
                                                                        IC237
                                                                                8-759-908-17 s TL082CPS (TI)
        8-719-938-98
                       8
                           FC51M
 D21 3
                                                                        IC238 8-759-907-81 s
                                                                                                 SN74LS221NS (TI)
        8-719-100-03 s 1S2835
 D214
                                                                        IC239 8-759-204-94 B
                                                                                                 TC74HC00F (TOSHIBA)
                                                                                8-759-945-29 s TL601CPS (TI)
8-759-100-93 s uPC393G2 (NEC)
                                                                         IC240
        8-719-105-82 s RD5.1M-B2
 D400
        8-719-915-43 s FC54M
                                                                        IC241
 D 50 3
        8-719-915-43
                        s FC54M
 D504
        8-719-915-43 a FC54M
                                                                        IC401
                                                                                8-749-901-45 s SBX4002-01 (NEC)
 D505
                                                                        IC403 8-752-032-55 s
                                                                                                 CXA1096M (SONY)
 D506
        8-719-101-23 s 1SS123
                                                                                IC404
                                                                        IC501
         8-719-106-62 s RD11M-B2
 D507
         8-719-105-82
                           RD5.1M-B2
                                                                        IC502
 D508
         8-719-106-17
                        s RD6.8M-B2
 D6 50
                                                                        IC504 8-759-908-17 s TL082CPS (TI)
 D680
                        s 1SS123
         8-719-101-23
                                                                                                 SN74LSO6NS (TI)
                          1 $283 5
                                                                        IC505
                                                                                8-759-941-17 s
         8-719-100-03
 D700
                                                                        IC506 8-759-012-13 8 MC10H125M (MOTOROLA)
 D704
         8-719-105-82 s
                           RD5.1M-B2
                                                                        IC507
                                                                                8-759-230-23 s CXD1045AQ (SONY)
         8-719-105-73 s RD4.7M-B2
                                                                        IC508 8-749-901-21 s BX1461 (SONY)
 D705
         8-719-101-23 s 1SS123
 D706
                                                                        IC509 8-759-908-17 s TL082CPS (TI)
                        s RD6.8M-B2
 D707
         8-719-106-17
                                                                         IC510 8-759-945-29 s TL601CPS (TI)
                                                                        IC511 8-749-901-20 s BX1460 (SONY)
                                                                        IC512 8-759-907-81 s SN74LS221NS (TI)
                                                                         IC513 8-759-941-27 8 MB4002PF (FUJITSU)
 DL 500 1-415-309-00 s 350ns
                                                                         IC514 8-759-945-29
                                                                                                  TL601CPS (TI)
                                                                        IC516 8-759-908-17 s
IC517 8-759-908-17 s
                                                                                                 TL082CPS (TI)
TL082CPS (TI)
 FL100 1-236-006-13 s LOW-PASS 7.0 MHz
FL400 1-236-162-11 s LOW-PASS 4.2 MHz
                                                                                8-759-205-08 s TC74HC86F (TOSHIBA)
                                                                         IC519
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Ref.No. Parts No.
                    SP Description
                                                                        Ref. No. Parts No. SP Description
IC522 8-759-105-49
                    8
                         uPC319G2 (NEC)
                                                                        0221
                                                                               8-729-109-43 s 2SK94-X3
IC523
                        TLO82CPS (TI)
       8-759-908-17
                      8
                                                                        0222
                                                                               8-729-202-38
                                                                                             8
                                                                                               28C3326 N
       8-759-908-15
                        TL431CLP (TI)
TC610
                      8
                                                                        0223
                                                                               8-729-800-44
                                                                                             s 2SK152-4
       8-759-908-17
                        TL082CPS (TI)
                                                                               8-729-900-53
IC611
                                                                        Q224
                                                                                             s DTC114EK
                        MB4002PF (FUJITSU)
       8-759-941-27
                                                                        Q225
                                                                               8-729-900-53
                                                                                               DTC114EK
                         TL601CPS (TI)
IC700
       8-759-945-29
                      8
                                                                        0226
                                                                               8-729-900-53
                                                                                             8
                                                                                                DTC114EK
                         CX20158 (SONY)
                                                                               8-729-900-53
8-729-900-53
IC701
       8-752-015-81
                      8
                                                                        0227
                                                                                             8
                                                                                                DTC114EK
       8-752-332-67
                         CXD1217M (SONY)
IC702
                                                                        Q228
                                                                                             s DTC114EK
IC720
       8-759-204-98
                      s TC74HC08F (TOSHIBA)
                                                                        Q229
                                                                               8-729-202-38
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                                                                                             8
                         CX20158 (SONY)
TCROI
       8-752-015-81
                      R
                                                                        Q230
                                                                               8-729-202-38
                                                                        0400
                                                                               8-729-100-66
                                                                                             R
                                                                                                2SC1623
                                                                               8-729-102-07
                                                                        Q401
                                                                                                2SC2223-F13
                                                                                             8
       1-410-470-11 s MICRO 10
1102
                                                                        Q402
                                                                               8-729-102-07
                                                                                               2SC2223-F13
                      s MICRO 10
LI 03
       1-410-470-11
                                                                        0403
                                                                               8-729-109-43
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       1-410-470-11
                        MICRO 10
L104
                      8
                                                                               8-729-102-07
                                                                        Q404
                                                                                             B 2SC2223-F13
       1-408-880-00
                     s MICRO 0.68
L205
                                                                        Q500
L214
       1-410-492-11
                      s MICRO 680
                                                                               8-729-100-66
                                                                        Q501
                                                                               8-729-100-66
                                                                                             8
                                                                                               2SC1623
                      s MICRO 1.8
1.219
       1-410-461-41
                                                                        0503
                                                                               8-729-100-66
                                                                                             s 2SC1623
                         MICRO 10
                                                                        0504
                                                                               8-729-100-66
L402
       1-410-470-11
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L403
       1-410-470-11
                      s MICRO 10
                                                                        Q505
                                                                               8-729-100-66
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       1-410-470-11
L406
                        MICRO 10
L508
       1-408-880-00
                      s MICRO 0.68
                                                                        Q512
                                                                               8-729-102-07
                                                                                                2SC2223-F13
                                                                        Q513
                                                                               8-729-109-43
                                                                                             8
                                                                                                2SK94-X3
L900
       1-421-329-00
                         CHOKE
                                                                               8-729-102-07
                                                                        0514
                                                                                             s 2SC2223-F13
                         CHOKE
L901
       1-421-329-00
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                                                                               8-729-102-07
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L902
       1-421-329-00
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                         CHOKE
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                                                                               8-729-100-76
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       1-421-329-00
                         CHOKE
L903
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       1-421-329-00
                         CHOKE
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L904
                                                                        0610
                                                                               8-729-106-68
                                                                                             R
                                                                        0611
                                                                               8-729-106-60
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                                                                                                2 SR11154
L905
                         CHOKE
       1-421-329-00
                                                                               8-729-109-43
                                                                        Q6 80
                                                                                             s 2SK94-X3
L906
       1-421-329-00
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                         CHOKE
                                                                        Q6 81
                                                                               8-729-100-66
                                                                                                2SC1623
                                                                                             g
L907
       1-421-329-00
                      8
                         CHOKE
                                                                                                2SK94-X3
                                                                        Q800
                                                                               8-729-109-43
       1-421-329-00
                         CHOKE
1.908
                      8
       1-421-329-00
                         CHOKE
L909
                                                                        0801
                                                                               8-729-109-43
                                                                                             8 2SK94-X3
                                                                        0802
                                                                               8-729-100-66
                                                                                             s 2SC1623
L910
       1-421-329-00
                         CHOKE
                                                                        Q803
                                                                               8-729-109-43
                                                                                             s 2SK94-X3
L911
       1-421-329-00
                     a CHOKE
                                                                        R1 01
                                                                               1-216-651-11
                                                                                            s METAL CHIP 1k
                                                                                                                 0.50% 1/10W
LV200
       1-407-563-00 s VAR 1
                                                                        R105
                                                                               1-216-639-11
                                                                                                METAL CHIP 330
                                                                                                                 0.50% 1/10W
       1-407-564-00 s VAR 1.5
LV201
                                                                        R1 06
                                                                               1-216-639-11
                                                                                             8
                                                                                               METAL CHIP 330
                                                                                                                 0.50% 1/10W
       1-407-563-00
LV 500
                                                                                                METAL CHIP 390
                                                                        R1 07
                                                                               1-216-641-11
                                                                                             я
                                                                                                                 0.50% 1/10W
                                                                                               METAL CHIP 2.2k 0.50% 1/10W
                                                                               1-216-659-11
                                                                        R111
                                                                                             8
                                                                        R114
                                                                                                METAL CHIP 10k
                                                                               1-216-675-11
                                                                                                                 0.50% 1/10W
                     s 2SC1623
       8-729-100-66
0100
                                                                        R115
                                                                               1-216-675-11
                                                                                                METAL CHIP 10k
                                                                                                                 0.50% 1/10W
                         2SD1615A-GP
Q1 01
       8-729-106-68
                                                                    18) R135
                                                                                                METAL CHIP 470
                                                                               1-216-643-11
                                                                                             R
                                                                                                                 0.50% 1/10W
       8-729-106-60
                     8
                        2SB1115A
Q102
                                                                               1-216-655-11
                                                                        R139
                                                                                                METAL CHIP 1.5k
                                                                                                                 0.50% 1/10W
                                                                                             8
Q103
       8-729-102-07
                     s 2SC2223-F13
                                                                        R1 40
                                                                               1-216-653-11
                                                                                                METAL CHIP 1.2k
                                                                                                                 0.50% 1/10W
                        2SC2223-F13
0104
       8-729-102-07 s
                                                                        R1 42
                                                                               1-216-018-11
                                                                                             8
                                                                                                CHIP
                                                                                                                        1/10W
Q105
       8-729-109-43
                     s 2SK94-X3
                                                                                                METAL CHIP 2.2k 0.50% 1/10W
                                                                        R1 49
                                                                               1-216-659-11
                                                                                             8
Q1 06
        8-729-102-07
                      8
                         2SC2223-F13
                                                                        R205
                                                                               1-216-665-11
                                                                                                METAL CHIP 3.9k 0.50% 1/10W
                                                                                             8
0201
        8-729-100-66
                     s 2SC1623
                                                                        R213
                                                                               1-216-653-11
                                                                                                METAL CHIP 1.2k
                                                                                                                 0.50%
                                                                                             8
                                                                                                                        1/10W
                         2SC1623
0203
        8-729-100-66
                      8
                                                                                                METAL CHIP 5.6k
                                                                        R218
                                                                                                                 0.50%
                                                                                                                        1/10W
        8-729-100-66
                        2SC1623
0204
                                                                        R219
                                                                               1-216-691-11 s
                                                                                                METAL CHIP 47k
                                                                                                                 0.50% 1/10%
                      s 2SC1623
0205
       8-729-100-66
                                                                        R220
                                                                               1-216-674-11
                                                                                                METAL CHIP 9.1k 0.50%
                                                                                             8
                                                                                                                       1/10W
                        2SC1623
0206
        8-729-100-66
                     8
                                                                                                METAL CHIP 2.4k 0.50% 1/10W
                                                                        R222
                                                                               1-216-660-11
                                                                                            8
0207
                      s 2SC1623
        8-729-100-66
                                                                        R249
                                                                               1-216-682-11
                                                                                                METAL CHIP 20k
                                                                                                                 0.50%
                                                                                                                       1/10W
        8-729-109-43
0208
                         2SK94-X3
                     8
                                                                        R250
                                                                               1-216-669-11
                                                                                             s METAL CHIP 5.6k
                                                                                                                 0.50%
                                                                                                                       1/10W
Q211
        8-729-102-07
                         2SC2223-F13
                                                                        R2 51
                                                                               1-216-682-11
                                                                                                METAL CHIP 20k
                                                                                                                 0.50% 1/10W
                                                                                             8
0212
                     s 2SC2223-F13
        8-729-102-07
                                                                        R252
                                                                                                METAL CHIP 6.8k 0.50% 1/10W
                                                                                             8
Q213
                         2SK94-X3
        8-729-109-43
                     8
                                                                        R254
                                                                               1-216-695-11
                                                                                                METAL CHIP 68k
                                                                                                                 0.50%
                                                                                                                       1/10W
                         2SC2223-F13
Q214
        8-729-102-07
                      8
                                                                        R258
                                                                               1-216-671-11
                                                                                             8
                                                                                                METAL CHIP 6.8k
                                                                                                                 0.50%
                                                                                                                       1/10W
O21 5
        8-729-100-76
                     s 2SA812
                                                                               1-216-659-11
                                                                        R259
                                                                                             8
                                                                                                METAL CHIP 2.2k
                                                                                                                 0.50% 1/10W
0220
        8-729-109-43 s 2SK94-X3
```

```
Ref.No. Parts No. SP Description
                   SP Description
Ref. No. Parts No.
                                                                                                               0.50% 1/10W
                                                                      R522
                                                                             1-216-691-11 s METAL CHIP 47k
      1-216-683-11 s METAL CHIP 22k
                                         0.50% 1/10W
R264
                                                                                              METAL CHIP 100k 0.50% 1/10W
                        METAL CHIP 3.9k 0.50% 1/10W
                                                                      R523
                                                                             1-216-699-11 a
R267
      1-216-66 5-11
                    8
                                                                                              METAL CHIP 9.1k
                                                                                                               0.50% 1/10W
                                                                             1-216-674-11
                       METAL CHIP 10k
                                         0.50% 1/10W
                                                                      R527
                                                                                           8
      1-216-675-11 s
R270
                                                                                              METAL CHIP 2.4k
                                                                      R528
                                                                             1-216-660-11
                                                                                                               0.50%
                                                                                                                      1/10W
                        METAL CHIP 16k
      1-216-680-11
                                         0.50% 1/10W
                                                                                          8
R271
                                                                                              METAL CHIP 20k
                                                                                                               0.50%
                                                                             1-216-682-11
                                                                                                                      1/10W
                       METAL CHIP 18k
                                         0.50% 1/10W
                                                                      R535
      1-216-681-11
                                                                                                                      1/10W
                                                                                              METAL CHIP 4.7k
                                                                                                               0.50%
                        METAL CHIP 6.8k
                                                                      R536
                                                                             1-216-667-11 B
      1-216-671-11
R276
                                                                                              METAL CHIP 22k
                                                                                                               0.50%
                                                                             1-216-683-11
                                         0.50% 1/10W
                                                                      R541
                                                                                          8
      1-216-667-11
                        METAL CHIP 4.7k
R288
                                                                                              METAL CHIP 6.8k
                                                                                                               0.50%
                                                                                                                      1/10W
                        METAL CHIP 4.7k 0.50% 1/10W
                                                                      R543
                                                                             1-216-671-11 s
      1-216-667-11
R293
                                               1/10W
                                         0.50%
                                                                             1-216-671-11
                                                                                              METAL CHIP 6.8k
                                                                                                               0.50%
                                                                                                                      1/10W
                        METAL CHIP 10k
       1-216-675-11
                     8
                        METAL CHIP 5.6k
                                                                      R545
                                                                             1-216-659-11
                                                                                           R
                                                                                             METAL CHIP 2.2k
                                                                                                               0.502
                                                                                                                      1/10W
                                         0.50%
                                                1/10W
R296
       1-216-669-11
                                                                      R547
                                                                             1-216-675-11
                                                                                              METAL CHIP 10k
                                                                                                                      1/10W
                        METAL CHIP 1.5k
                                         0.50%
                                               1/10W
R302
                                                                                              METAL CHIP 3.9k
                                                                                                               0.50%
                                                                                                                      1/10W
                                               1/10W
                                                                      R548
                                                                             1-216-665-11 s
                        METAL CHIP 560
                                         0.50%
       1-216-645-11
                     8
R303
                                                                             1-216-698-11 s
                                                                                                               0.50% 1/10W
                                                                                             METAL CHIP 91k
                        CHIP
                                   51
                                            5% 1/10W
                                                                      R549
R304
      1-216-018-00
                     8
                                                                                                               0.50%
                                                                                              METAL CHIP 16k
                                                                                                                      1/10W
                        METAL CHIP 820
                                         0.50%
                                                                      R550
                                                                             1-216-680-11
                                                                                          8
                                                1/10W
       1-216-649-11
                     8
R312
                                                                                              METAL CHIP 18k
                                                                                                               0.50% 1/10W
                                                                             1-216-681-11 s
                                         0.50%
                        METAL CHIP 2.7k
                                                                      R551
       1-216-661-11
                                               1/10W
R313
                                                                                              METAL CHIP 10k
                                                                                                                      1/10W
                                                                      R552
                                                                                                               0.50%
                        METAL CHIP 30k
                                         0.50% 1/10W
R314
       1-216-686-11
                                                                             1-216-675-11 s
                                                                                              METAL CHIP 10k
                                                                                                               0.50% 1/10W
       1-216-683-11
                        METAL CHIP 22k
                                         0.50% 1/10W
                                                                      R553
                     8
R316
                        METAL CHIP 22k
                                         0.50%
                                               1/10W
                                                                      R565
                                                                             1-216-651-11 s METAL CHIP 1k
                                                                                                               0.50% 1/10W
R317
       1-216-683-11
                     8
                                                                             1-216-661-11 s METAL CHIP 2.7k 0.50%
                        METAL CHIP 10k
                                         0.50%
                                                                      R566
                                                                                                                      1/10W
                                                1/10W
       1-216-675-11
R330
                     8
                                                                             1-216-686-11 s METAL CHIP 30k
                                                                                                               0.50%
                                                                                                                      1/10W
                         METAL CHIP 2.7k
                                         0.50%
                                                1/10W
                                                                      R567
       1-216-661-11
R337
                                                                                              METAL CHIP 5.6k
                                                                                                               0.50%
                                                                                                                     1/10W
                                                1/10W
                                                                  17) R570
                        METAL CHIP 2.2k 0.50%
R338
       1-216-659-11 s
                                                                                              METAL CHIP 4.7k
                                                                                                                      1/10W
                                                                  18) R570
                                                                              1-216-667-11 s
                                                                                                               0.50%
                        METAL CHIP 10k
                                         0.50%
                                                1/10W
       1-216-675-11
R340
                     8
                                                                                                               0.50%
                                                                                                                     1/10W
                                                                                              METAL CHIP 33k
                        METAL CHIP 2.2k
                                         0.50% 1/10W
                                                                      R571
                                                                             1-216-687-11 s
       1-216-659-11
R341
                                                                                              METAL CHIP 200
                                                                                                               0.50%
                                                                             1-216-634-11 s
                                                                                                                      1/10W
                         METAL CHIP 18k
                                         0.50%
                                                1/10W
                                                                       R581
       1-216-681-11
R348
                                                                                              METAL CHIP 560
                                                                                                               0.50%
                                                                                                                      1/10W
                                                                              1-216-645-11 s
                         METAL CHIP 3k
                                         0.50% 1/10W
                                                                       R585
R3 53
                                                                                                                      1/10W
                                                                              1-216-655-11 s
                                                                       R586
                                                                                              METAL CHIP 1.5k
                                                                                                               0.50%
                         METAL CHIP 3.9k 0.50%
                                                1/10W
       1-216-665-11
                      8
R354
                                                                                                                      1/10W
                         METAL CHIP 56k
                                         0.50%
                                                1/10W
                                                                       R587
                                                                              1-216-018-00 s
                                                                                              CHIP
                                                                                                         51
                                                                                                                  5%
       1-216-693-11
R355
                                                                                              METAL CHIP 22k
                                                                                                               0.50%
                                                                                                                      1/10W
                         METAL CHIP 7.5k 0.50%
                                                1/10W
                                                                       R594
                                                                              1-216-683-11 s
       1-216-672-11
R3 56
                                                                                              METAL CHIP 22k
                                                                                                                      1/10W
                                                1/10W
                                                                       R595
                                                                              1-216-683-11
                                                                                           8
                                                                                                               0.50%
                         METAL CHIP 12k
                                         0.50%
R3 57
                                                                                              METAL CHIP 10k
                                                                       R597
                                                                                                               0.50%
                                                                                                                      1/10W
                                         0.50%
                                                1/10W
                         METAL CHIP 8.2k
       1-216-673-11
                                                                                              METAL CHIP 18k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                1/10W
                                                                              1-216-681-11 s
                                          0.50%
                                                                       R599
                         METAL CHIP 15k
       1-216-679-11
R359
                                                                              1-216-663-11
                                                                                              METAL CHIP 3.3k
                                                                                                               0.50%
                                                                                                                      1/10W
                         METAL CHIP 15k
                                          0.50%
                                                1/10W
                                                                       R601
                                                                                           8
       1-216-679-11
R360
                                                                                              METAL CHIP 47k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                                              1-216-691-11 s
                                                                       R605
                                          0.50%
                                                1/10W
 R361
       1-216-672-11
                         METAL CHIP 7.5k
                                                                                                               0.50%
                         METAL CHIP 22k
                                          0.50%
                                                                              1-216-675-11
                                                                                              METAL CHIP 10k
                                                                                                                      1/10W
                                                                       R611
        1-216-683-11
                      8
 R367
                                                                                              METAL CHIP 10k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                                              1-216-675-11
                                                                                           8
                         METAL CHIP 1k
                                          0.50%
                                                1/10W
                                                                       R612
       1-216-651-11 s
R368
                                                                                                                       1/10W
                                                                              1-216-677-11
                                                                       R704
                                                                                              METAL CHIP 12k
                                                                                                                0.50%
 R371
                         METAL CHIP 1.1k
                                          0.50%
                                                1/10W
                                                                                              METAL CHIP 3.3k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                1/10W
                                                                       R708
                                                                              1-216-663-11
                         METAL CHIP 6.8k
                                          0.50%
 R372
       1-216-671-11
                      8
                                                                                              METAL CHIP 1.1k
                                                                                                               0.50%
                                                                                                                      1/10W
                         METAL CHIP 1k
                                          0.50%
                                                                       R709
                                                                              1-216-652-11 s
       1-216-651-11
                                                1/10W
R375
                                                                                              METAL CHIP 8.2k
                                                                                                               0.50%
                                                                                                                       1/10W
                                                                              1-216-673-11
                         METAL CHIP 15k
                                          0.50%
                                                1/10W
                                                                       R710
                                                                                           8
       1-216-679-11
 R376
                                                                              1-216-683-11 s
                                                                                              METAL CHIP 22k
                                                                                                                       1/10W
                         METAL CHIP 27k
                                          0.50%
                                                1/10W
                                                                       R717
       1-216-685-11
R379
                                                                              1-216-683-11
                                                                                              METAL CHIP 22k
                                                                                                                       1/10W
                                                                       R718
                                                                                                                0.50%
                                                1/10W
                                          0.50%
                         METAL CHIP 4.3k
 R380
        1-216-666-11
                     8
                                                                                                               0.50%
                                          0.50%
                                                                       R719
                                                                              1-216-683-11 s
                                                                                               METAL CHIP 22k
                                                                                                                      1/10W
                         METAL CHIP 1k
                                                1/10W
 R401
        1-216-651-11
                      8
                                                                                               METAL CHIP 22k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                                              1-216-683-11
                         METAL CHIP 330
                                                1/10W
                                                                       R720
                                          0.50%
 RAO 5
       1-216-639-11
                                                                                                                       1/10W
                                                                              1-216-663-11
                                                                                               METAL CHIP 3.3k
                                                                                                               0.50%
                                                                       R807
                         METAL CHIP 330
                                          0.50%
                                                1/10W
        1-216-639-11
 R406
                                                                              1-216-675-11
                                                                                               METAL CHIP 10k
                                                                                                                0.50%
                                                                                                                       1/10W
 R407
        1-216-643-11
                         METAL CHIP 470
                                          0.50%
                                                1/10W
                                                                              1-216-668-11 s METAL CHIP 5.1k 0.50%
                                                                                                                      1/10W
                                                1/10W
                                                                       R817
                         METAL CHIP 3.3k
                                          0.50%
        1-216-663-11
 R411
                     8
                         METAL CHIP 5.6k
                                          0.50%
                                                1/10W
        1-216-669-11
 R412
                         METAL CHIP 12k
                                          0.50%
                                                1/10W
        1-216-677-11
                         METAL CHIP 1.5k
                                          0.50%
                                                 1/10W
 R431
        1-216-655-11
                     8
                                                                                               VAR, CERMET 1k
                         METAL CHIP 1.2k
                                                                       RV100 1-237-515-21 s
                                          0.50%
                                                 1/10W
        1-216-653-11 8
 R432
                                                                                               VAR, CERMET
                                                                                                           500
                                                                              1-237-514-21
                                                                       RV101
                                                                             1-237-515-21 s
                                                                                               VAR, CERMET 1k
                         CHIP
                                             57
                                                1/10W
                                                                       RV102
 R433
        1-216-018-00
                                                                                               VAR, CERMET
                         METAL CHIP 2.2k 0.50%
                                                1/10W
                                                                       RV1 03
                                                                                                            1 k
        1-216-659-11
 R438
                         METAL CHIP 200
                                          0.50%
                                                1/10W
                                                                       RV200 1-237-517-21 s
                                                                                               VAR, CERMET
                                                                                                            5k
        1-216-634-11
                      8
 R507
                         METAL CHIP 220
                                          0.50%
                                                 1/10W
        1-216-635-11
 R509
                      8
                                                 1/10W
                                                                       RV201 1-237-516-21 s
                                                                                               VAR, CERMET
                                                                                                            2k
                         METAL CHIP 220
                                          0.50%
        1-216-635-11
 R510
                                                                              1-230-847-11 s
                                                                                               VAR, CERMET
                                                                                                            500k
                                                                       RV202
                                                                              1-237-518-21 s
                                                                                               VAR, CERMET
                                                                                                            10k
                                                                       RV203
                         METAL CHIP 1.5k
                                          0.50%
                                                1/10W
                                                                              1-237-514-21
                                                                                               VAR, CERMET
                                                                                                            500
                                          0.50%
        1-216-651-11
                      8
                         METAL CHIP 1k
                                                1/10W
 R512
                                                                       RV401
                                                                              1-237-516-21
                                                                                               VAR. CERMET
                                                                                                            2k
                         METAL CHIP 47
                                          0.50%
                                                1/10W
 R513
        1-216-619-11
                      8
        1-216-651-11
                         METAL CHIP 1k
                                          0.50%
                                                 1/10W
 R517
                      8
                                                                                               VAR, CERMET
                                                                       RV402 1-237-515-21 8
                                                                                                            1k
        1-216-651-11 s
                         METAL CHIP 1k
                                          0.50%
                                                1/10W
 R518
                                                                       RV500
                                                                              1-237-516-21 s
                                                                                               VAR, CERMET
                                                                                                            2k
                                                                              1-237-516-21
                                                                                               VAR, CERMET
                                                                                                            2k
                                                                       RV502
                                                                              1-237-517-21
                                                                                               VAR, CERMET
                                                                                                            5k
                                                                       RV503 1-237-518-21 s VAR, CERMET
                                                                                                           10k
                                                                       RV610 1-237-515-21 s VAR, CERMET 1k
```

	Ref.No	. Parts No.	SP	Description					Ref.No.	. Parts No.	SP	Description			
	<b>S101</b>	1-553-977-00	8	SLIDE					C263	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	S200	1-553-977-00	8	SLIDE					C26 5	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C270	1-162-638-11					16 V
									C271	1-163-033-00					50 V
									C273						
	MI 201	1-800-198-XX	_	0 17					62/3	1-163-033-00	. 8	CERAMIC CHIP	0.022		50 V
		1-800-202-XX							C276	1-163-033-00					50 V
		1-800-198-XX							C277	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	TH 502	1-800-202-XX	8	S-10K					C281	1-163-033-00	8	CERAMIC CHIP	0.022		507
									C284	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C286	1-124-462-00			10	20%	
											_				
									C288	1-163-033-00		CERAMIC CHIP	0.022		50 V
									C290	1-163-033-00					50 V
17)	TBC-7P	ROADD							C291						
**/	150-71	DUNKED								1-163-033-00					50 V
٠.	m.: .			011 061 hazad	*				C293	1-163-033-00					50 V
3)	Inis D	oard includes	cae	SW-261 board.					C295	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
		A-6711-888-B	0	MOUNTED CIRCU	IT BOAR	D, TE	C-7P		C400	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C402	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C403	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C405	1-135-076-21			1	10%	
	C100	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C408	1-163-033-00				10%	50 V
	C102			CERAMIC CHIP			50 V		0400	1-103-033-00	•	CERMITO CHIL	0.022		JU V
	C103			CERAMIC CHIP			50 V		C41 2	1 169 000 00	_	OPD INTO OUT-	0.000		E0:
	C105	1-135-076-21				107	35V			1-163-033-00					50 V
	C108					10%			C418	1-163-033-00					50 V
	0100	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C41 9	1-163-033-00					50 V
									C421	1-163-033-00	8				50 V
	C110			CERAMIC CHIP			50 V		C422	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	C111	1-163-033-00					50 V						-		
	C115	1-163-033-00	8	CERAMIC CHIP			50 V	4)	C424	1-163-037-11	8	CERAMIC CHIP	0.022	10%	25V
	C1 21	1-163-033-00	8	CERAMIC CHIP	0.022		50 V	•	C504	1-163-033-00		CERAMIC CHIP			50 V
	C124	1-163-033-00	8	CERAMIC CHIP	0.022		50 V			1-124-462-00		ELECT	10	20%	
									C509	1-163-033-00		CERAMIC CHIP		20%	50 V
	C125	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C511						
	C1 26			CERAMIC CHIP			50 V		6311	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	C1 28			CERAMIC CHIP			50 V								
									C521	1-163-033-00					50 V
	C130			CERAMIC CHIP			50 V			1-163-033-00	8	CERAMIC CHIP	0.022		50 V
4)	C135	1-163-037-00		CERAMIC CHIP	0.022	10%	25V		C524	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C526	1-162-638-11	8	CERAMIC CHIP	1		16 V
	C205			CERAMIC CHIP			50 V		C527	1-162-568-11	8	CERAMIC CHIP	0.33		25V
	C206	1-163-033-00	8	CERAMIC CHIP	0.022		50 V								
	C209	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C529	1-163-033-00	g	CERAMIC CHIP	0-022		50 V
	C211	1-163-033-00		CERAMIC CHIP	0.022		50 V		C531	1-163-033-00			0.022		50 V
	C213	1-163-033-00	8	CERAMIC CHIP	0.022		50 V			1-163-033-00					50 V
									C535	1-163-033-00					50 V
	C217	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C536	1-163-033-00					
	C219			CERAMIC CHIP			50 V		0330	1-103-033-00	В	CERAMIC CHIP	0.022		50 V
	C221			CERAMIC CHIP			50 V		0517	1 162 000 00		Ann 11/7 2			
	C225	1-162-568-11					25V		C537			CERAMIC CHIP			50 V
							16 V		C540			CERAMIC CHIP			50 V
	C226	1-162-638-11	8	JERREIU UNIF			10 4			1-163-033-00					50 V
	0007	1 162 022 00	_	CEDANTO OUTS	0.000		E0**			1-163-033-00					50 V
	C227			CERAMIC CHIP			50 V		C548	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	C228	1-162-568-11					25V								
	C229	1-162-638-11	8		-		16 V		C550	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	C231	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C555	1-163-033-00		CERAMIC CHIP			50 V
	C234	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C558	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C559			CERAMIC CHIP			
	C236	1-163-033-00	8	CERAMIC CHIP	0.022		50 V			1-163-033-00	8		0.022		50 V
	C242	1-163-033-00	8		0.022		50 V		C566	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	C243	1-163-033-00	8		0.022		50 V		0560			AND 1147			
									C56 9	1-163-033-00					50 V
	C245	1-163-033-00	8	CERAMIC CHIP			50 V		C575	1-163-033-00			0.022		50 V
	C246	1-163-033-00	8	CERAMIC CHIP	0.022		50 V		C578	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
									C581	1-163-033-00	8	CERAMIC CHIP	0.022		50 V
	C248	1-163-033-00	8		0.022		50 V	4)	C583	1-163-037-11	8	CERAMIC CHIP		10%	25V
	C253	1-163-033-00	8	CERAMIC CHIP	0.022		50 V	.,	-		-				
	C254	1-163-033-00	8				50 V		C600	1-163-033-00	8	CERAMIC CHIP	0 022		50 V
	C255	1-163-033-00	-				50 V		C611	1-163-033-00					
	C259	1-163-033-00					50 V		C612	1-163-033-00					50 V
		_ 100 000 00	-				20.					CERAMIC CHIP			50 V
									C613	1-163-033-00	8	CERAMIC CHIP			50 V
									C615	1-163-033-00	8	CERAMIC CHIP	0.022		50 V

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Ref.No. Parts No. SP Description
  Ref.No. Parts No. SP Description
                                                                         FL100 1-236-006-13 s LOW-PASS 7.0MHz
         1-163-033-00 s
                            CERAMIC CHIP
                                          0.022
  C651
                                                                         FL400 1-236-162-11 s LOW-PASS 4.2MHz
                            CERAMIC CHIP
                                                        50 V
         1-163-033-00
                                           0.022
  C701
         1-163-033-00
                            CERAMIC CHIP 0.022
                                                        50 V
  C704
                                                        50 V
          1-163-033-00
                            CERAMIC CHIP
                                           0.022
  C706
                            CERAMIC CHIP
                                                        50 V
                                          0.022
  C708
         1-163-033-00 s
                                                                         IC101 8-749-901-45 s SBX4002-01 (NEC)
                                                                         IC102
                                                                                 8-7 59-91 4-44
                                                                                                8
                                                                                                   TL431CLPB (TI)
         1-163-033-00
                            CERAMIC CHIP
                                                        50 V
  C750
                                           0.022
         1-163-033-00
1-163-033-00
                                                                                 8-759-908-17
                                                                                                8
                                                                                                   TL082CPS (TI)
                                                                         IC103
  C801
                            CERAMIC CHIP
                                           0.022
                                                        50 V
                                                                                                   CXALO96M (SONY)
                                                                         IC105
                                                                                8-752-032-55
                                                                                                8
                                                        50 V
  C804
                        8
                            CERAMIC CHIP
                                           0.022
                                                                                                   CXD1310AM (SONY)
                            CERAMIC CHIP
                                                        50 V
                                                                         IC108
                                                                                 8-759-948-32 s
          1-163-033-00
                                           0.022
  C807
                        8
         1-163-033-00
                            CERAMIC CHIP
                                                        50 V
  C902
                                                                                 8-7 59-201-47
                                                                                                  TA7357AP (TOSHIBA)
MB4002PF (FUJITSU)
MB4002PF (FUJITSU)
                                                                         IC201
                                                                         IC203 8-759-941-27
IC205 8-759-941-27
                                                                                                8
                            CERAMIC CHIP
                                           0.022
                                                        50 V
  Ç905
          1-163-033-00
                                                                                                8
                            CERAMIC CHIP
                                                        50 V
          1-163-033-00
                        8
                                           0.022
   C908
                                                                                 8-759-907-81
                                                                                                   SN74LS221NS (TI)
                                                                                                8
                                                                          IC206
                            CERAMIC CHIP
                                           0.022
                                                        50 V
          1-163-033-00
   C911
                         8
                                                                                 8-759-908-17 s
                                                                                                   TL082CPS (TI)
                                                                          IC207
                            CERAMIC CHIP
                                           0.022
                                                        50 V
          1-163-033-00
  C914
                         8
                                                        50 V
          1-163-033-00
                            CERAMIC CHIP
                                           0.022
   C917
                                                                                                   SN74LS06NS (TI)
                                                                         IC208 8-759-941-17 s
                                                                                                   MC10H116M (MOTOROLA)
MC10H125M (MOTOROLA)
                                                                         IC209
                                                                                 8-759-012-00 s
                                                        50 V
   C920
          1-163-033-00
                         8
                            CERAMIC CHIP 0.022
                                                                                 8-759-012-13
                                                                                                8
                                                                          IC210
                            CERAMIC CHIP
                                           0.022
                                                        50 V
          1-163-033-00
                         8
   C923
                                                                          IC211
                                                                                 8-759-230-23
                                                                                                s CXD1045AQ (SONY)
                            CERAMIC CHIP
                                           0.022
                                                        50 V
          1-163-033-00
   C926
                                                                                 8-749-901-21
                                                                                                   BX1461 (SONY)
          1-163-033-00
                            CERAMIC CHIP
                                           0.022
                                                        50 V
   C929
                            CERAMIC CHIP
                                           0.022
                                                        50 V
   C932
          1-163-033-00
                                                                                 8-759-908-17 s
                                                                          TC213
                                                                                                   TLOS2CPS (TI)
                                                                                                   TL601CPS (TI)
                                                                                 8-759-945-29
          1-163-033-00 s CERAMIC CHIP 0.022
                                                        50 V
                                                                          IC214
                                                                                               8
   C935
                                                                                 8-759-907-81
                                                                                                s SN74LS221NS (TI)
                                                                          IC215
                                                                                 8-749-901-20
                                                                                                s BX1460 (SONY)
                                                                          IC216
                                                                                                  uPC319G2 (NEC)
                                                                          IC217
                                                                                 8-759-105-49
   CN108 1-506-746-11 s DIN 48P
                                                                                                   TC74HC221F (TOSHIBA)
                                                                          TC218
                                                                                8-759-205-21
                                                                                                8
3) CN109 1-506-748-31 s DIN 96P
                                                                                                   TC74HC74F (TOSHIBA)
4) CN109 1-506-748-11 s DIN 96P
                                                                          TC219
                                                                                 8-7 59-20 5-06
                                                                                               8
                                                                                 8-759-908-17
                                                                                                   TLO82CPS (TI)
                                                                          IC220
                                                                                                8
                                                                                 8-759-945-29
                                                                                                  TL601CPS (TI)
                                                                          IC221
                                                                          IC222
                                                                                 8-759-100-97
                                                                                                   uPC339G2 (NEC)
          8-719-101-23
                         s 1SS123
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                                                                                               s TC74HC32F (TOSHIBA)
                                                                                 8-759-205-05
                                                                       3) IC223
                            RD5.1M-B2
          8-719-105-82
   D100
                         8
                                                                                                  TC74HC86F (TOSHIBA)
TC74HC00F (TOSHIBA)
TC74HC08F (TOSHIBA)
                                                                                 8-759-205-08
                                                                       4) IC223
                                                                                               8
          8-719-106-08
                         s RD6.2M-B2
   D200
                                                                                 8-759-204-94
                                                                       3) IC224
          8-719-915-43
                            FC54M
   D202
                                                                          IC224
                                                                                 8-7 59-20 4-98
          8-719-915-43
                            FC54M
   D203
                                                                                                  TLO82CPS (TI)
                                                                          TC225
                                                                                 8-759-908-17
                                                                                                8
          8-719-915-43
                             FC54M
   D204
                                                                                                   TL601CPS (TI)
                                                                          IC226
                                                                                 8-759-945-29
          8-719-938-98
                            FC51M
   D205
                                                                          IC228
                                                                                 8-759-908-17
                                                                                                8
                                                                                                   TL082CPS (TI)
           8-719-938-98
                          s FC51M
   D206
                                                                                                   TC74HC08F (TOSHIBA)
TL601CPS (TI)
                                                                          TC231
                                                                                 8-759-204-98
                                                                                                8
           8-719-938-98
                            FC51 M
   D207
                                                                                 8-759-945-29
           8-719-101-23
                            1 SS1 23
                                                                          IC232
   D208
                                                                                 8-759-205-17
                                                                                                   TC74HC174F (TOSHIBA)
                                                                          IC234
                          s 1S2835
   D209
           8-719-100-03
                                                                       4) IC235
                                                                                 8-759-205-12 s TC74HC157F (TOSHIBA)
                          s RD5.1M-B2
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           8-719-105-82
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                          s RD11M-B2
                                                                       4) IC236
                                                                                 8-759-205-12
                                                                                               8
           8-719-106-62
   D211
                                                                       4) IC237
                                                                                 8-759-908-17
                                                                                                   TL082CPS (TI)
           8-719-938-98
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   D21 2
                                                                       4) IC239
                                                                                  8-759-205-05
                                                                                                   TC74HC32F (TOSHIBA)
           8-719-938-98
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                                                                                                   TL061CPS (TI)
                                                                                  8-759-945-29
           8-719-105-82
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                                                                       4) IC241
                                                                                 8-7 59-100-93
                                                                                               8
                                                                                                   uPC393G2 (NEC)
                             FC54M
   D 503
                                                                                 8-749-901-45
                                                                                                   SBX4002-01 (NEC)
           8-719-915-43
                                                                          IC401
                            FC54M
                                                                                                8
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                                                                                  8-752-032-55
                                                                                                   CXA1096M (SONY)
                                                                          IC403
           8-719-915-43
                             PC54M
    D505
                                                                          IC404
                                                                                 8-759-948-32
                                                                                                   CXD1310AM (SONY)
    D506
           8-719-101-23
                          s 1SS123
                                                                                                s TC74HC00F (TOSHIBA)
                                                                          IC501
                                                                                 8-759-204-94
           8-719-106-62 s RD11M-B2
   30507
                                                                          IC502
                                                                                 8-759-201-47
                                                                                               s TA7357AP (TOSHIBA)
           8-719-105-82
                             RD5.1M-B2
   D508
                                                                                                   TL082CPS (TI)
                                                                          IC504
                                                                                 8-759-908-17
   D650
           8-719-106-17
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                                                                          IC505
                                                                                 8-759-941-17
                                                                                                   SN74LS06NS (TI)
MC10H125M (MOTOROLA)
           8-719-101-23
                          s 188123
    D680
                                                                                 8-759-012-13
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                                                                                                8
                             1 82835
    D700
           8-719-100-03
                                                                                                   CXD1045AQ (SONY)
                                                                                 8-759-230-23
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    D704
           8-719-105-82
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                             RD5.1M-B2
                                                                          IC508 8-749-901-21
                                                                                                   BX1461 (SONY)
           8-719-105-64
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    D705
                                                                                                s TL082CPS (TI)
s TL601CPS (TI)
                                                                          IC509 8-759-908-17
           8-719-101-23
                          s 1SS123
    D706
                             RD6.8M-B2
                                                                          TC510 8-759-945-29
    D707
           8-719-106-17
                                                                                 8-749-901-20
                                                                                                s BX1460 (SONY)
                                                                          IC511
                                                                          IC512 8-759-907-81 s SN74LS221NS (TI)
    DL500 1-415-309-00 s 350ns
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Ref. No. Parts No. SP Description
                                                                        Ref.No. Parts No. SP Description
                                                                       0105
                                                                               8-729-109-44 s 2SK94
  IC513 8-759-941-27 s MB4002PF (FUJITSU)
                           TL601CPS (TI)
                                                                        Q1 06
                                                                               8-729-102-06
                                                                                               2SC2223
  IC51 4 8-759-945-29 8
  IC516 8-759-908-17 s
                           TL082CPS (TI)
                                                                        Q201
                                                                               8-729-100-66
                                                                                               2SC1623
  IC517 8-759-908-17 s TL082CPS (TI)
                                                                        Q203
                                                                               8-729-100-66
                                                                                            s 2SC1623
          8-759-205-08 s TC74HC86F (TOSHIBA)
                                                                        0204
                                                                               8-729-100-66
  IC519
                                                                                                2SC1623
                                                                        Q205
                                                                               8-729-100-66 s
  IC520 8-759-945-29 s TL601CPS (TI)
                                                                                               2SC1623
  IC521 8-759-205-05
                        s TC74HC32F (TOSHIBA)
                                                                        Q206
                                                                               8-729-100-66
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  IC522 8-759-105-49 s uPC319C2 (NEC)
IC605 8-759-941-27 s MB4002PF (FUJITSU)
IC610 8-759-914-44 s TL431CLFB (TI)
                                                                        Q207
                                                                               8-729-100-66 s
                                                                                               2SC1623
                                                                               8-729-109-44 s
                                                                        0208
                                                                                               25K94
                                                                    3) Q209
                                                                               8-729-109-44 s 2SK94
                                                                                                2SK94
                                                                               8-729-109-44 s
  IC611 8-759-908-17 s TL082CPS (TI)
                                                                    3) 0210
  IC700 8-759-945-29 s TL601CPS (TI)
                                                                        Q211
                                                                               8-729-102-06 s
                                                                                               2SC2223
  IC701 8-752-015-81 s CX20158 (SONY)
IC702 8-757-930-11 s CX7930A (SONY)
                                                                               8-729-102-06 a 2SC2223
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                                                                               8-729-109-44
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                                                                                                2SK94
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  IC720 8-759-204-98 s TC74HC08F (TOSHIBA)
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                                                                               8-729-102-06
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                        s TL601CPS (TI)
                                                                        0215
                                                                               8-729-100-76
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   IC800 8-759-945-29
  IC801 8-752-015-81 8 CX20158 (SONY)
IC802 8-757-930-11 8 CX7930A (SONY)
IC803 8-759-907-81 8 SN74LS221NS (TI)
                                                                               8-729-100-44 s
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                                                                                               2SK94
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                                                                        Q223
                                                                               8-729-800-44
                                                                                            s 2SK152-4
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                                                                               8-729-202-38 s
                                                                    4) 0225
                                                                               8-729-202-38 s 2SC3326N
         1-410-470-11 s MICRO 10
1-410-470-11 s MICRO 10
                                                                    4) 0226
                                                                               8-729-202-38 s 28C3326N
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                                                                     4) Q227
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  1103
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          1-410-470-11 s
                            MICRO 10
                                                                               8-729-202-38
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          1-408-879-21 s
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          1-410-492-11 s MICRO 680
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  L21 9
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                                                                               8-729-100-66 s 2SC1623
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          1-410-470-11 s
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          1-410-470-11 s MICRO 10
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                                                                               8-729-102-06
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  L6 51
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          1-421-329-00
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                                                                               8-729-100-66
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                                                                               8-729-100-66
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                                                                               8-729-102-06 s 2SC2223
  L904
                                                                        0512
  L90 5
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                                                                               8-729-100-44
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                                                                                            s 2SK94
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                                                                               8-729-102-06
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                                                                               8-729-102-06
  L908
          1-421-329-00 s CHOKE
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          1-421-329-00 s CHOKE
                                                                        Q610
                                                                               8-729-106-68 s
                                                                                                2SD1615A-GP
  L91 O
          1-421-329-00
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                            CHOKE
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                                                                                            8
  L911
          1-421-329-00 s
                            CHOKE
                                                                        06 80
                                                                               8-729-100-44
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                                                                               8-729-100-66 s
                                                                                                2SC1623
                                                                        Q800
                                                                               8-729-100-44
                                                                                                2SK94
                                                                                            8
3) LV2O0 1-410-286-11 s VAR 1.0
                                                                        0801
                                                                               8-729-100-44
                                                                                            8
                                                                                               2SK94
4) LV2O0
                                                                               8-729-100-66 s
          1-407-563-11 s VAR 1.0
                                                                        0802
                                                                                                2SC1623
3) LV2O1
          1-410-286-11 s VAR 1.0
          1-407-563-11 s VAR 1.0
4) LV2O1
3) LV500 1-410-286-11 s VAR 1.0
                                                                               1-216-651-11 s
                                                                        R101
                                                                                                METAL CHIP 1k
                                                                                                                 0.50% 1/10W
4) LV500 1-407-563-11 s VAR 1.0
                                                                        RIOS
                                                                              1-216-639-11 s METAL CHIP 330
                                                                                                                 0.50%
                                                                                                                         1/10W
                                                                               1-216-639-11 s METAL CHIP 330
                                                                        R106
                                                                                                                 0.50%
                                                                                                                         1/10W
                                                                              1-216-641-11 s METAL CHIP 390 0.507
1-216-659-11 s METAL CHIP 2.2k 0.507
                                                                        R1 07
                                                                                                                         1/10W
                                                                        RI 11
                                                                                                                         1/10W
  0100
           8-729-100-66 s 2SC1623
                                                                              1-216-675-11 s
           8-729-106-68 s 2SD1615A-GP
                                                                       R114
                                                                                                METAL CHIP 10k
   0101
                                                                                                                  0.50%
                                                                                                                         1/10W
  0102
          8-729-106-60
                        s 2SB1115A
                                                                              1-216-675-11 s METAL CHIP 10k
                                                                       R115
                                                                                                                 0.50% 1/10W
  Q103
           8-729-102-06
                            28C2223
                                                                              1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
                                                                        R139
                        8
                                                                                            B METAL CHIP 1.5k
B CHIP
           8-729-102-06
   Q104
                                                                        R1 40
                                                                              1-216-653-11
                                                                                                                 0.50% 1/10W
                                                                       R1 42
                                                                              1-216-018-00
                                                                                                                     5% 1/10W
```

```
Ref. No. Parts No. SP Description
                                                                        Ref.No. Parts No. SP Description
                                                                        R432
                                                                               1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
                            METAL CHIP 2.2k 0.50% 1/10W
          1-216-659-11
4) R149
                                                                                1-216-018-00
                                                                                                            51
                                                                                                                      5% 1/10W
                                                                                                 CHIP
          1-216-665-11
                            METAL CHIP 3.9k
                                              0.50%
                                                    1/10W
                                                                        R433
                                                                                             8
   R205
                                                                                                 METAL CHIP 2.2k 0.50% 1/10W
                                                                     4) R438
                                                                                1-216-659-11
          1-216-653-11
                                                    1/10W
                                                                                              8
                            METAL CHIP 1.2k
                                              0.50%
   R213
                         8
                                                                        R507
                                                                                1-216-634-11
                                                                                                 METAL CHIP 200
                                                     1/10W
                                                                                                                   0.50%
                                                                                                                         1/10W
                            METAL CHIP 5.6k
                                              0.50%
          1-216-669-11
   R218
                            METAL CHIP 47k
                                                                        R509
                                                                                1-216-635-11
                                                                                                 METAL CHIP 220
                                                                                                                   0.50% 1/10W
                                              0.50%
                                                     1/10W
          1-216-691-11
   R219
                                                                        R510
                                                                                                 METAL CHIP 220
                                                                                1-216-635-11
                                                                                                                   0.50%
                                                                                                                         1/10W
                            METAL CHIP 9.1k
                                              0.507
                                                     1/10W
                                                                                             8
   R220
                                                                        R511
                                                                                1-216-655-11
                                                                                                 METAL CHIP 1.5k
                                                                                                                   0.50%
          1-216-660-11
                                                                                                                         1/10W
                                              0.50%
                                                     1/10W
                                                                                             8
                            METAL CHIP 2.4k
   R222
                         8
                                                                                                METAL CHIP 1k
                                              0.50% 1/10W
                                                                        R512
                                                                                1-216-651-11
                                                                                              8
                                                                                                                   0.50% 1/10W
          1-216-682-11
                            METAL CHIP 20k
   R249
                         8
                            METAL CHIP 5.6k
                                                                                                 METAL CHIP 47
                                              0.50%
                                                     1/10W
                                                                        R513
                                                                                1-216-619-11
                                                                                                                   0.50%
          1-216-669-11
   R250
                                                                        R517
                                                                                1-216-651-11
                                                                                              8
                                                                                                METAL CHIP 1k
                                                                                                                   0.50%
                                                                                                                         1/10W
          1-216-682-11
                             METAL CHIP 20k
                                              0.50%
                                                     1/10W
   R251
                                              0.50%
                                                     1/10W
                                                                        R518
                                                                                                 METAL CHIP 1k
                                                                                                                   0.50%
                                                                                                                         1/10W
           1-216-671-11
                            METAL CHIP 6.8k
                                                                                1-216-651-11
                                                                                             8
   R252
                         8
                             METAL CHIP 68k
                                              0.50%
                                                    1/10W
                                                                                1-216-691-11
                                                                                             8
                                                                                                 METAL CHIP 47k
                                                                                                                   0.50% 1/10W
                                                                        R522
          1-216-695-11
7)
   R254
                             METAL CHIP 6.8k
                                              0.50% 1/10W
                                                                                1-216-699-11
                                                                                                 METAL CHIP 100k
          1-216-671-11
                                                                        R523
                                                                                                                  0.50%
   R258
           1-216-659-11
                             METAL CHIP 2.2k
                                              0.50%
                                                    1/10W
                                                                        R527
                                                                                1-216-674-11
                                                                                              8
                                                                                                 METAL CHIP 9.1k
                                                                                                                   0.50%
                                                                                                                         1/10W
   R259
                                                                                                 METAL CHIP 2.4k
                             METAL CHIP 22k
                                              0.50% I/10W
                                                                        R528
                                                                                1-216-660-11
                                                                                                                   0.50% 1/10W
           1-216-683-11
   R264
                             METAL CHIP 3.9k
                                              0.50%
                                                    1/10W
                                                                        R535
                                                                                1-216-682-11
                                                                                                 METAL CHIP 20k
                                                                                                                   0.50%
                                                                                                                         1/10W
    R267
           1-216-665-11
                         g
           1-216-675-11
                             METAL CHIP 10k
                                                                        R536
                                                                                1-216-667-11
                                                                                                 METAL CHIP 4.7k
                                                                                                                   0.50% 1/10W
                                              0.50% 1/10W
   R270
                             METAL CHIP 16k
                                              0.50% 1/10W
                                                                        R541
                                                                                1-216-683-11
                                                                                              8
                                                                                                 METAL CHIP 22k
                                                                                                                   0.50% 1/10W
           1-216-680-11
    R271
                                                                                1-216-671-11
                                                                                                 METAL CHIP 6.8k
                                                                        R543
                                                                                                                   0.50%
                             METAL CHIP 18k
                                              0.50% 1/10W
                                                                                                                         1/10W
           1-216-681-11
    R272
                                                                                                 METAL CHIP 6.8k
                                                                                                                         1/10W
           1-216-671-11
                             METAL CHIP 6.8k
                                              0.50% 1/10W
    R276
                                                                        R545
                                                                                1-216-659-11
                                                                                              8
                                                                                                 METAL CHIP 2.2k
                                                                                                                   0.50%
                                                                                                                         1/10W
                             METAL CHIP 4.7k
                                               0.50%
           1-216-667-11
    R293
                                               0.50%
                             METAL CHIP 10k
                                                    1/10W
                                                                        R547
                                                                                1-216-675-11
                                                                                              8
                                                                                                 METAL CHIP 10k
                                                                                                                   0.50%
                                                                                                                         1/10W
           1-216-675-11
    R294
                                                                                1-216-665-11
                                                                                                 METAL CHIP 3.9k
                                                                                                                  0.50% 1/10W
0.50% 1/10W
           1-216-665-11
                             METAL CHIP 3.9k
                                              0.50% 1/10W
                                                                         R548
                                                                                              8
    R296
                                                                                                 METAL CHIP 91k
                                                                         R549
                                                                                1-216-698-11
                                              0.50%
                                                    1/10W
                             METAL CHIP 1.5k
           1-216-655-11
    R302
                                              0.50% 1/10W
                                                                         R550
                                                                                1-216-680-11
                                                                                                 METAL CHIP 16k
                                                                                                                   0.50% 1/10W
                             METAL CHIP 560
           1-216-645-11
                          R
    R303
                                                                                1-216-681-11
                                                                                                                   0.50%
                                                                                                                         1/10W
                             CHIP
                                                  5%
                                                      1/10W
                                                                        R551
                                                                                              8
                                                                                                 METAL CHIP 18k
           1-216-018-00
    R304
                                              0.50% 1/10W
0.50% 1/10W
                                                                                                                   0.50% 1/10W
0.50% 1/10W
                             METAL CHIP 430
                                                                        R552
                                                                                1-216-675-11
                                                                                              8
                                                                                                 METAL CHIP 10k
           1-216-642-11
3)
   R312
                                                                                1-216-675-11
                                                                                                 METAL CHIP 10k
           1-216-649-11
                                                                         R553
                             METAL CHIP 820
                                                                                              8
 4)
    R312
                                               0.50%
                                                     1/10W
                                                                      4) R565
                                                                                1-216-651-11
                                                                                                 METAL CHIP 1k
                             METAL CHIP 2.7k
                                                                                                                   0.50%
                                                                                                                         1/10W
           1-216-661-11
                          R
                             METAL CHIP 30k
                                               0.50%
                                                                         R566
                                                                                1-216-661-11
                                                                                                 METAL CHIP 2.7k
                                                                                                                   0.50%
                                                                                                                         1/10W
    R314
           1-216-686-11
                                               0.50%
                                                                                                                   0.50%
                             METAL CHIP 22k
                                                     1/10W
                                                                         R567
                                                                                1-216-686-11
                                                                                              8
                                                                                                 METAL CHIP 30k
                                                                                                                          1/10W
    R316
                                                                                                                   0.50%
                                                                                1-216-634-11
                                                                                                 METAL CHIP 200
                                                     1/10W
                                                                         R581
           1-216-683-11
                          8
                             METAL CHIP 22k
                                                                                                                         1/10W
    R317
                             METAL CHIP 10k
                                               0.50% 1/10W
                                                                         R585
                                                                                1-216-645-11
                                                                                                 METAL CHIP 560
                                                                                                                   0.50% 1/10W
           1-216-675-11
                          8
     R330
                             METAL CHIP 2.2k
                                               0.50%
                                                      1/10W
                                                                                1-216-655-11
                                                                                                 METAL CHIP 1.5k
                                                                                                                   0.50% 1/10W
           1-216-659-11
                                                                         R586
    R138
                          8
                             METAL CHIP 10k
                                               0.50%
                                                     1/10W
                                                                         R587
                                                                                1-216-018-00
                                                                                              я
                                                                                                 CHIP
                                                                                                             51
                                                                                                                      5%
                                                                                                                         1/10W
           1-216-675-11
     R340
                                                                                                 METAL CHIP 22k
           1-216-659-11
                             METAL CHIP 2.2k
                                               0.50%
                                                     1/10W
                                                                         R594
                                                                                1-216-683-11
                                                                                                                   0.50%
                                                                                                                         1/10W
                          8
     R3 41
                             METAL CHIP 18k
                                               0.50%
                                                     1/10W
                                                                         R595
                                                                                1-216-683-11
                                                                                                 METAL CHIP 22k
                                                                                                                   0.50%
                                                                                                                         1/10W
           1-216-681-11
 7) R348
                             METAL CHIP 3k
                                               0.50% 1/10W
                                                                         R597
                                                                                1-216-675-11
                                                                                                 METAL CHIP 10k
                                                                                                                   0.50% 1/10W
           1-216-662-11
 4) R353
                                                                                1-216-681-11
                             METAL CHIP 7.5k
                                               0.50%
                                                     1/10W
                                                                         R599
                                                                                                 METAL CHIP 18k
                                                                                                                   0.50%
                                                                                                                         1/10W
            1-216-672-11
                                                                                              8
 4)
    R3 56
                                                                                1-216-679-11
                                                                                                 METAL CHIP 15k
                                                                         R600
                                                                                                                   0.50%
                             METAL CHIP 12k
                                               0.50%
                                                     1/10W
                                                                                                                          1/10W
 4)
            1-216-677-11
    R3 57
                                                                         R601
                                                                                1-216-651-11
                                                                                                 METAL CHIP 1k
                             METAL CHIP 8.2k
                                               0.50%
                                                     1/10W
                                                                                                                   0.50%
                                                                                                                          1/10W
 4)
    R3 58
           1-216-673-11
                                               0.50%
           1-216-679-11
                             METAL CHIP 15k
                                                     1/10W
                                                                         R605
                                                                                1-216-691-11
                                                                                                 METAL CHIP 47k
                                                                                                                   0.50% 1/10W
 4) R359
                                                                                1-216-675-11
           1-216-679-11
                             METAL CHIP 15k
                                               0.50%
                                                     1/10W
                                                                         R611
                                                                                              8
                                                                                                 METAL CHIP 10k
                                                                                                                   0.50%
                                                                                                                         1/10W
 4) R360
                                                                                1-216-675-11
                                                                                                 METAL CHIP 10k
            1-216-672-11
                             METAL CHIP 7.5k
                                               0.50%
                                                     1/10W
                                                                         R612
                                                                                                                   0.507
                                                                                                                         1/10W
    R361
 4)
                                                                                                 METAL CHIP 12k
                                                                         R704
                                                                                1-216-677-11
                                                                                                                   0.50%
            1-216-683-11
                          a
                             METAL CHIP 22k
                                               0.507
                                                     1/10W
                                                                                                                         1/10W
    R367
                             METAL CHIP 1k
                                               0.50%
                                                      1/10W
                                                                         R708
                                                                                1-216-663-11
                                                                                                 METAL CHIP 3.3k
                                                                                                                   0.50%
            1-216-651-11
 4) R368
                             METAL CHIP 1.1k
                                               0.50%
                                                     1/10W
                                                                         R709
                                                                                1-216-652-11
                                                                                                 METAL CHIP 1.1k
                                                                                                                   0.50%
            1-216-652-11
                                                                                              8
                                                                                                                         1/10W
 4) R371
                                                                                1-216-673-11
            1-216-671-11
                                                     1/10W
                                                                         R710
                                                                                                 METAL CHIP 8.2k
                          8
                             METAL CHIP 6.8k
                                                                                              8
                                                                                                                  0.50%
                                                                                                                         1/10W
  4)
     R372
                             METAL CHIP 1k
                                               0.50%
                                                      1/10W
                                                                                1-216-683-11
                                                                                                 METAL CHIP 22k
                                                                                                                   0.50%
                                                                         R717
                                                                                                                         1/10W
            1-216-651-11
                          8
                                                                                              8
     R375
                             METAL CHIP 15k
                                               0.50%
                                                     1/10W
                                                                                1-216-683-11
                                                                                                 METAL CHIP 22k
                                                                                                                   0.50%
            1-216-679-11
                                                                                                                         1/10W
  4) R376
                             METAL CHIP 27k
                                                                                                                   0.50%
                                               0.50%
                                                     1/10W
                                                                         R719
                                                                                1-216-683-11
                                                                                                 METAL CHIP 22k
                                                                                                                          1/10%
     R379
            1-216-685-11
            1-216-666-11
                                               0.50%
                                                     1/10W
                                                                                1-216-683-11
                                                                                                                         1/10W
     R380
                          8
                             METAL CHIP 4.3k
                                                                         R7 20
                                                                                              8
                                                                                                 METAL CHIP 22k
                                                                                                                   0.50%
                             METAL CHIP 1k
                                                                                1-216-652-11
                                                                                                 METAL CHIP 1.1k
                                               0.50%
                                                     1/10W
                                                                         R803
                                                                                                                  0.50%
                                                                                              8
                                                                                                                         1/10W
     R401
            1-216-651-11
                          8
                                                                                                 METAL CHIP 3.3k
                             METAL CHIP 330
                                               0.50%
                                                      1/10W
                                                                         R807
                                                                                1-216-663-11
                                                                                                                   0.50%
            1-216-639-11
                                                                                                                          1/10W
     R40 5
                          8
            1-216-639-11
                              METAL CHIP 330
                                               0.50%
                                                                      3) R808
                                                                                1-216-652-11
                                                                                                 METAL CHIP 1.1k
     R406
                                                                      3) R809
                                               0.50% 1/10%
                                                                                1-216-673-11
                                                                                                 METAL CHIP 8.2k
                                                                                                                  0.50%
                                                                                                                          1/10W
            1-216-647-11
                             METAL CHIP 680
     R407
                          8
                             METAL CHIP 3.3k
                                               0.50%
                                                      1/10W
                                                                         R810
                                                                                1-216-677-11
                                                                                                 METAL CHIP 12k
                                                                                                                   0.50%
                                                                                                                          1/10W
     R411
            1-216-663-11
                          8
                             METAL CHIP 5.6k
                                               0.50%
                                                     1/10W
                                                                         R816
                                                                                1-216-675-11
                                                                                                 METAL CHIP 10k
                                                                                                                   0.50%
                                                                                                                          1/10W
            1-216-669-11
     R412
                                                                                                METAL CHIP 5.1k 0.50%
            1-216-677-11
                             METAL CHIP 12k
                                               0.50%
                                                                         R817
                                                                                1-216-668-11
                                                                                              8
                                                      1/10W
     R426
                             METAL CHIP 1.5k
                                               0.50%
            1-216-655-11
                                                      1/10W
     R431
```

	Ref.No.	. Parts No.	SP	Description				Ref No.	. Parts No.	СD	Description		
				•				Ker . NO	. rarça Mo.	31	peacriteron		
		1-237-51 5-21						C201	1-162-637-11	8	CERAMIC CHIP 0.47		16 V
		1-237-51 4-21						C202			CERAMIC CHIP 0.022		
		1-237-51 5-21						C205			CERAMIC CHIP 0.022		
4)		1-237-51 5-21						C207			CERAMIC CHIP 0.022		
	RV 200	1-237-517-21	8	VAR, CERMET	5k			C208	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	RV 201	1-237-516-21	8	VAR, CERMET	2k			C21 0	1-162-638-11	8.	CERAMIC CHIP 1		16 V
		1-237-518-21						C211			CERAMIC CHIP 0.022		25V
		1-237-51 4-21			500						CERAMIC CHIP 0.022		
		1-237-516-21						C213			CERAMIC CHIP 0.022		25V
4)	RV 402	1-237-51 5-21	8	VAR, CERMET				C21 4	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
		1-237-516-21			2k			C216	1-163-037-11	8	CERAMIC CHIP 0.022	107	25V
		1-237-516-21			2k			C21 8			CERAMIC CHIP 0.47		16 V
		1-237-517-21			5k			C21 9			CERAMIC CHIP 0.022		
4)		1-237-518-21			10k			C221			CERAMIC CHIP 0.022		
	RV610	1-237-51 5-21	8	VAR, CERMET	1 K			C222	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
								C300			CERAMIC CHIP 0.022		25V
								C301			CERAMIC CHIP 0.022		25V
	S1 00	1-553-977-00						C400	1-162-637-11	8	CERAMIC CHIP 0.47		16 V
		1-553-977-00						C401	1-162-637-11	8	CERAMIC CHIP 0.47 CERAMIC CHIP 0.47		16 V
	S200 S400	1-553-977-00 1-553-977-00						C402	1-162-637-11	8	CERAMIC CHIP 0.47		16 V
	5400	1 333 777 00	-					C403	1-162-637-11	8	CERAMIC CHIP 0.47		16 V
								C408			CERAMIC CHIP 0.022	107	
								C409			CERAMIC CHIP 0.022		
	TH 201	1-800-198-11	8	S-1K				C420			CERAMIC CHIP 0.022		25V
		1-800-202-XX		S-10K				C421	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
		1-800-198-11		S-1K									
	TH 502	1-800-202-XX	8	S-10K				C422	1-163-037-11	8	CERAMIC CHIP 0.022	10%	
								C423	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
								C428			CERAMIC CHIP 0.022		25V
											CERAMIC CHIP 0.022		25V
								C443	1-163-03/-11	8	CERAMIC CHIP 0.022	10%	25V
17	TBC-8P	BOARD									CERAMIC CHIP 0.022		
17				ND OF Land				C500	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
17)		BCARD coard includes	the	NR-25 board.				C500 C501	1-163-037-11 1-162-637-11	8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47	10%	25V 16 V
17)		oard includes				.RD. T	'R.C8 P	C500 C501 C502	1-163-037-11 1-162-637-11 1-162-637-11	8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47	10%	25V 16 V 16 V
17)						RD, T	BC-8P	C500 C501 C502	1-163-037-11 1-162-637-11 1-162-637-11	8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47	10%	25V 16 V
17)		oard includes				RD, T	EC-8P	C500 C501 C502 C503	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	107	25V 16 V 16 V 16 V
17)	This b	oard includes A-6711-889-C	o	MOUNTED CIRC	UIT BOA			C500 C501 C502 C503 C504 C507	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11	8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z	25V 16 V 16 V 16 V 25V 25V
17]	This b	oard includes A-6711-889-C	0	MOUNTED CIRC	UIT BOA	10%	25 <b>V</b>	C500 C501 C502 C503 C504 C507 C509	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11	8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z	25V 16 V 16 V 16 V 25V 25V 25V
17]	This b	noard includes A-6711-889-C	8 8	MOUNTED CIRC	UIT BOA 0.022 0.022	10Z 10Z	25V 25V	C500 C501 C502 C503 C504 C507 C509 C511	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z	25V 16 V 16 V 16 V 25V 25V 25V 25V
17]	This b	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11	S S S	MOUNTED CIRC CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022	107 107 107	25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z	25V 16 V 16 V 16 V 25V 25V 25V 25V
17]	C100 C101 C102 C103	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	S S S S	MOUNTED CIRC CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022	107 107 107 107	25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47  CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z	25V 16 V 16 V 16 V 25V 25V 25V 25V 25V
17)	This b	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11	S S S S	MOUNTED CIRC CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022	107 107 107 107	25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 1	107 107 107 107 107	25V 16 V 16 V 25V 25V 25V 25V 25V 25V
17)	C100 C101 C102 C103 C104	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022	107 107 107 107	25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V
17]	C100 C101 C102 C103	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	S S S S S	MOUNTED CIRC CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022	107 107 107 107	25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 1 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V
17]	C100 C101 C102 C103 C104 C105	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11	C 8 8 8 8 8 8 8	MOUNTED CIRC CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022	107 107 107 107	25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47  CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17]	C100 C101 C102 C103 C104 C105 C106 C107 C108	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11	O 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47	10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107 107	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11	O 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47	10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10z 10z 10z 10z 10z 10z 10z 10z	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11	S	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47	10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47  CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107 107 107	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11	O 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022	10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113	noard includes A-6711-889-C  1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.47 0.022	10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11	O 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022	10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47  CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11	O 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C51 2 C513 C514 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47  CERAMIC CHIP 0.022 CERAMIC CHIP 1	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	S	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122 C137	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.47 0.22 0.022 0.022	102 102 102 102 102 102 102 102 102	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	0 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022	102 102 102 102 102 102 102 102 102	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122 C137	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 888888888888888888888888888888888888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022 0.022	102 102 102 102 102 102 102 102 102	25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V 25V 25V 25V	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 888888888888888888888888888888888888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022 1 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 888888888888888888888888888888888888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022 1 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C500 C501 C502 C503 C504 C507 C509 C511 C51 2 C513 C514 C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C540	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 888888888888888888888888888888888888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022 0.022 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C500 C501 C502 C503 C504 C507 C509 C511 C51 2 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C540 C543 C540 C543 C540 C543 C540 C543 C540 C540 C540 C540 C540 C540 C540 C540	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C122 C137 C138 C139 C140 C142 C144 C145	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	0 88888 8888 8888 8888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527 C530 C532 C532 C535 C540 C543 C540 C543 C540 C540 C540 C540 C540 C540 C540 C540	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C120 C122 C137 C138 C138 C139 C149 C140 C142	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	O 58868 58888 58888 58888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.47 0.47 0.47 0.022 0.022 0.022 0.022 0.022 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C500 C501 C502 C503 C504 C507 C509 C511 C51 2 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C540 C543 C540 C543 C540 C543 C540 C543 C540 C540 C540 C540 C540 C540 C540 C540	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25
17)	C100 C101 C102 C103 C104 C105 C106 C107 C108 C113 C114 C117 C118 C122 C137 C138 C139 C140 C142 C144 C145	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-163-037-11	0 88888 8888 8888 8888	CERAMIC CHIP CERAMIC CHIP	0.022 0.022 0.022 0.022 0.022 0.022 0.027 0.47 0.47 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 16V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C500 C501 C502 C503 C504 C507 C509 C511 C512 C513 C514 C518 C520 C521 C523 C524 C525 C526 C527 C530 C532 C532 C535 C540 C543 C540 C543 C540 C540 C540 C540 C540 C540 C540 C540	1-163-037-11 1-162-637-11 1-162-637-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.022	10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	25V 16V 16V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25

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Ref. No. Parts No. SP Description
    Ref. No. Parts No. SP Description
                                                                         IC502 8-759-208-88 s CXD1131Q (SONY)
           1-163-037-11 s
    C911
                               CERAMIC CHIP 0.022 10% 25V
                                                                         IC503 8-759-012-13 s MC10H125M (MOTOROLA)
                              CERAMIC CHIP 0.022 10%
                                                          25V
           1-163-037-11 s
    C913
                                                                         IC504 8-759-204-94 s TC74HC00F (TOSHIBA)
           1-163-037-11 s
                               CERAMIC CHIP 0.022 10% 25V
    C915
                                                                         IC505 8-759-001-98 s
                                                                                                  MC10198L (MOTOROLA)
           1-163-037-11
                          8
                              CERAMIC CHIP 0.022 107 25V
                                                                         IC506 8-759-933-52 s MB40778P (FUJITSU)
                              CERAMIC CHIP 0.022 10% 25V
    C918
           1-163-037-11 s
                                                                         IC507 8-759-933-52 8 MB40778P (FUJITSU)
IC508 8-759-907-81 8 SN74LS221NS (TI)
           1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
    C920
                                                                         IC509 8-759-745-64 s NJM4560M (JRC)
                                                                         IC510 8-759-204-98 s TC74HC08F (TOSHIBA)
IC512 8-759-205-03 s TC74HC27F (TOSHIBA)
    CN106 1-506-746-11 s DIN 48P
 3) CN107 1-506-748-31 s DIN 96P
                                                                         IC900 8-759-914-44 s TL431CLPB (TI)
          1-506-748-11 s
 4) CN107
                                                                         L100
                                                                                1-410-470-11 s MICRO 10
10) CV101 1-141-245-00 s TRIMMER, CERAMIC 30pF
                                                                         L101
                                                                                1-410-470-11 s
                                                                                                   MICRO 10
           1-141-404-11 s VAR, TRIMMER 30pF
11) CV101
                                                                         L102
                                                                                1-410-470-11 s MICRO 10
10) CV102
           1-141-245-00
                           s TRIMMER, CERAMIC 30pF
                                                                                1-410-470-11 s MICRO 10
1-410-478-11 s MICRO 47
                                                                         T.1 0 3
           1-141-404-11
                           s VAR, TRIMMER 30pF
11) CV102
                                                                         L200
                          s TRIMMER, CERAMIC 30pf
10) CV103 1-141-245-00
                                                                         L201
                                                                                 1-410-478-11 s
                                                                                                   MICRO 47
11) CV103 1-141-404-11 s VAR, TRIMMER 30pF
                                                                         L202
                                                                                 1-410-478-11 s
                                                                                                   MICRO 47
                                                                         1.203
                                                                                 1-410-478-11 s MICRO 47
                                                                                 1-410-478-11
                                                                                                   MICRO 47
                                                                         L300
                                                                                               8
                                                                         L301
                                                                                 1-410-478-11
                                                                                               8
            8-719-105-52 s RD3.6M-B2
    D201
                              1 SS1 23
            8-719-101-23 s
     D202
                                                                         1400
                                                                                 1-410-470-11 s MICRO 10
     D400
            8-719-101-23 s 1SS123
                                                                                 1-410-470-11 s MICRO 10
                                                                         T.401
            8-719-106-17
                           s RD6.8M-B2
    D500
                                                                         L500
                                                                                 1-410-478-11 s MICRO 47
            8-719-106-17 s RD6.8M-B2
    D501
                                                                                 1-410-478-11 s MICRO 47
1-410-478-11 s MICRO 47
                                                                         L501
                                                                         L502
                                                                                 1-410-478-11 s
                                                                                                   MICRO 47
                                                                         L503
     IC100 8-759-012-13 s MC10H125M (MOTOROLA)
     IC101 8-759-942-28 s CXD1022CQ (SONY)
IC102 8-759-208-76 s CXD1023AQ (SONY)
IC103 8-749-901-39 s SBX4001-01 (FUJITSU)
                                                                         L504
                                                                                 1-410-478-11 s
                                                                                                   MICRO 47
                                                                         1.50 5
                                                                                 1-410-478-11 s MICRO 47
                                                                                 1-421-329-00
                                                                         L900
                                                                                                   CHOKE
                                                                         L901
                                                                                 1-421-329-00
     IC104 8-759-201-41 s TD62901P (TOSHIBA)
                                                                         1.902
                                                                                 1-421-329-00 s
                                                                                                   CHOKE
     IC106 8-759-745-64 s NJM4560M (JRC)
                                                                         L903
                                                                                 1-421-329-00
                                                                                                   CHOKE
     IC107 8-759-945-29 s TL601CPS (TI)
IC108 8-759-904-80 s 74F04PC (FSC)
                                                                                               8
                                                                         L904
                                                                                 1-421-329-00 s CHOKE
     IC109 8-759-204-96 s TC74HC04F (TOSHIBA)
IC110 8-759-204-96 s TC74HC04F (TOSHIBA)
                                                                         0201
                                                                                 8-729-100-66 s 2SC1623
     IC112 8-759-948-35
                              CXD1309BQ (SONY)
                                                                         0202
                                                                                 8-729-102-06 s 2SC2223
     IC113 8-759-948-37 s
                               CXD1326AQ (SONY)
                                                                         Q203
                                                                                 8-729-102-06
                                                                                               s 2SC2223
     IC114 8-759-930-50 s SN74LS157NS (TI)
                               CXK1202S (SONY)
CXD1131Q (SONY)
                                                                         0204
                                                                                 8-729-100-66 s 2SC1623
     TC200 8-752-322-72
                           8
                                                                                 8-729-109-44
                                                                         0205
                                                                                                s 2SK94
     IC201 8-759-208-88
                                                                         Q400
                                                                                 8-729-100-66
                                                                                                   2SC1623
     IC202 8-759-745-64 s
                              NJM4560M (JRC)
                                                                                 8-729-100-76 s 2SA812
8-729-100-76 s 2SA812
                                                                         0401
                              MB40778P (FUJITSU)
     IC203 8-759-933-52 s
                                                                         0402
                              NJM4560M (JRC)
     IC204 8-759-745-64
                           8
                               CXD1022CQ (SONY)
CXD1023AQ (SONY)
                                                                         Q500
                                                                                 8-729-100-66
                                                                                               s 2SC1623
     IC400 8-759-942-28
                                                                         Q501
                                                                                 8-729-100-66
                                                                                               s 2SC1623
     IC401 8-759-208-76
                                                                         0502
                                                                                 8-729-100-66 s 2SC1623
     1C402 8-749-901-39 s SBX4001-01 (FUJITSU)
                                                                                 8-729-100-66 s 2SC1623
8-729-100-66 s 2SC1623
                                                                         0503
     IC403 8-759-205-08 8 TC74RC86F (TOSHIBA)
IC404 8-759-205-21 8 TC74RC221F (TOSHIBA)
IC405 8-749-901-21 8 BX1461 (SONY)
                                                                         Q504
                                                                         Q505
                                                                                 8-729-100-66
                                                                                               8
                                                                                                   2SC1623
                                                                         Q900
                                                                                 8-729-106-68 s 2SD1615A-GP
                          s TC4053BF (TOSHIBA)
           8-7 59-200-81
     TC407 8-759-908-17 s TL082CPS (TI)
     IC408 8-759-907-81
                              SN74LS221NS (T1)
                           8
                                                                         R138
                                                                                1-216-667-11 s
                                                                                                   METAL CHIP 4.7k 0.50% 1/10W
                              TC74HC04F (TOSHIBA)
CXK1202S (SONY)
            8-759-204-96
     10409
                                                                                 1-216-667-11 s
                                                                         R139
                                                                                                   METAL CHIP 4.7k 0.50%
                                                                                                                             1/10W
     IC500
            8-752-322-72 s
                                                                                 1-216-680-11 s METAL CHIP 16k
                                                                         R1 40
     IC501 8-752-322-72 s CXK1202S (SONY)
                                                                                                                      0.50% 1/10W
                                                                                 1-216-675-11 s METAL CHIP 10k
1-216-662-11 s METAL CHIP 3k
                                                                         R1 41
                                                                                                                      0.507
                                                                                                                             1/10W
                                                                                                                      0.50% 1/10W
```

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SP Description
Ref. No. Parts No. SP Description
                                                                Ref.No. Parts No.
                                                                RV200 1-237-501-21
                                                                                        VAR, CERMET
R1 43
      1-216-667-11 s
                        METAL CHIP 4.7k 0.50% 1/10W
                        METAL CHIP 11k
                                                                      1-237-514-21
      1-216-676-11
                                         0.50%
                                                1/10W
                                                                RV400
                                                                                        VAR, CERMET
                                                                                                      500
R1 44
                                                                                     8
                                                                RV500 1-237-501-21
R1 45
      1-216-683-11 s
                        METAL CHIP 22k
                                         0.50%
                                                1/10W
                                                                                     s
                                                                                        VAR, CERMET
                                                                                                     2 k
                                                                RV 501
                                                                       1-237-501-21
                                                                                        VAR. CERMET
R1 46
       1-216-672-11
                    8
                        METAL CHIP 7.5k 0.50%
                                                1/10W
                                                                                     8
                                                                                                     2k
                                                                RV502
                                                                      1-237-499-21
                                                                                        VAR, CERMET
                        METAL CHIP 7.5k 0.50%
                                                                                                      500
R202
      1-216-672-11 s
                                                1/10W
                         METAL CHIP 15k
R203
                                                 1/10W
R204
      1-216-679-11
                     8
                        METAL CHIP 15k
                                          0.50%
                                                1/10W
      1-216-661-11
                        METAL CHIP 2.7k 0.50%
                                                                $500 1-554-149-00 s DIP
R205
                     8
                                                1/10W
       1-216-674-11
                        METAL CHIP 9.1k
R206
                                         0.50%
                                                 1/10W
R208
                        METAL CHIP 12k
R209
                        METAL CHIP 11k
                                          0.50%
                                                 1/10W
       1-216-676-11
                         METAL CHIP 47
R21 4
       1-216-619-11
                                          0.50%
                                                1/10W
R216
       1-216-660-11
                        METAL CHIP 2.4k
                                         0.50%
                                                1/10W
                                                                TBC-9P BOARD
R217
       1-216-672-11
                        METAL CHIP 7.5k
                                          0.50%
                                                 1/10W
                        METAL CHIP 15k
R220
       1-216-679-11
                                          0.50%
                                                1/10W
                                                                       A-6711-890-A o MOUNTED CIRCUIT BOARD, TBC-9P
                        METAL CHIP 13k
R223
                                          0.50%
                                                 1/10W
R224
       1-216-653-11
                        METAL CHIP 1.2k
                                          0.50%
                                                 1/10W
                                                                       1-162-638-11 s
                                                                                        CERAMIC CHIP 1
R225
       1-216-655-11
                     8
                        METAL CHIP 1.5k 0.50%
                                                1/10W
                                                                C3
                                          0.50%
       1-216-641-11
                        METAL CHIP 390
R226
                     8
                                                 1/10W
                                                                C4
                                                                       1-163-037-11
                                                                                     8
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                                                  25V
       1-216-655-11 s
                        METAL CHIP 1.5k
                                          0.50%
                                                                C5
R227
                                                1/10W
                                                                       1-163-037-11
                                                                                     8
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                                                  25V
                                                                       1-135-083-00
                                                                                        TANTAL CHIP 0.47
                                                                                     8
                                                                                                            107
                                                                                                                  25V
R229
       1-216-679-11 s
                        METAL CHIP 15k
                                          0.50%
                                                 1/10W
                                                                C10
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                                                  25V
R41 8
       1-216-677-11
                     8
                        METAL CHIP 12k
                                         0.50%
                                                1/10W
                        METAL CHIP 22k
       1-216-683-11
                                                1/10W
                                                                C13
                                                                                        CERAMIC CHIP 0.022
R424
                     8
                                                                       1-163-037-11
                                                                                     8
                                                                                                            10%
                                                                                                                  25V
R425
       1-216-673-11 s
                        METAL CHIP 8.2k
                                         0.50%
                                                 1/10W
                                                                C15
                                                                       1-124-462-00
                                                                                        ELECT
                                                                                     8
                                                                                                     10
                                                                                                             20%
                                                                                                                  16 V
       1-216-675-11
                         METAL CHIP 10k
                                          0.50%
                                                                C17
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                1/10W
                                                                                                            107
                                                                                                                  25V
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                  257
                                                 1/10W
R427
       1-216-655-11 s
                        METAL CHIP 1.5k
                                          0.50%
                                                                                        TANTAL CHIP 0.47
                                                                C20
                                                                       1-135-083-00
                                                                                                            10%
                                                                                                                  25V
R428
       1-216-655-11
                     я
                        METAL CHIP 1.5k
                                          0.50%
                                                 1/10W
                        METAL CHIP 2.2k
       1-216-659-11 s
                                         0.50%
                                                                C21
R430
                                                 1/10W
                                                                       1-124-462-00
                                                                                        ELECT
                                                                                                     10
                                                                                                             202
                                                                                                                  16 V
       1-216-667-11
                         METAL CHIP 4.7k
                                          0.50%
                                                                C22
                                                                       1-124-462-00
R432
                                                 1/10W
                                                                                        ELECT
                     8
                                                                                     8
                                                                                                     10
                                                                                                             20%
                                                                                                                  16 V
                         METAL CHIP 4.7k
       1-216-667-11
                                          0.50%
                                                 1/10W
                                                                C24
                                                                        1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                  25V
                                                                C25
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
R51 O
       1-216-679-11 8
                        METAL CHIP 15k
                                          0.507
                                                 1/10W
                                                                C27
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                        METAL CHIP 15k
       1-216-679-11
                                          0.50%
R511
                     8
                                                 1/10W
R51 2
       1-216-672-11
                     8
                         METAL CHIP 7.5k
                                          0.50%
                                                 1/10W
                                                                C32
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                  25V
R51 3
        1-216-679-11
                         METAL CHIP 15k
                                          0.50%
                                                 1/10W
                                                                C33
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                                  25V
                                                                                                            10%
                        METAL CHIP 2.7k 0.50%
R51 4
       1-216-661-11 s
                                                 1/10W
                                                                C35
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                                  25V
                                                                                                            10%
                                                                       1-163-037-11
                                                                                                                  25V
                                                                C36
                                                                                        CERAMIC CHIP 0.022
                                                                                                            107
R51 5
                         METAL CHIP 9.1k
                                                 1/10W
                                                                C38
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022 102
                                                                                                                  25V
R520
       1-216-646-11
                         METAL CHIP 620
                                          0.50%
                                                 1/10W
R521
       1-216-653-11
                     8
                        METAL CHIP 1.2k 0.50%
                                                 1/10W
                                                                039
                                                                       1-162-638-11
                                                                                        CERAMIC CHIP 1
                                                                                                                  16 V
       1-216-624-11
                         METAL CHIP 75
                                                                       1-163-037-11
R524
                     g
                                          0.50%
                                                 1/10W
                                                                C41
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                                                 25V
                         METAL CHIP 2.4k
R529
       1-216-660-11 s
                                          0.50%
                                                                C43
                                                                       1-163-037-11
                                                 1/10W
                                                                                     8
                                                                                        CERAMIC CHIP 0.022 102
                                                                                                                 25V
                                                                       1-163-037-11
                                                                C45
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                                                 25V
                         METAL CHIP 9.1k
R530
       1-216-674-11
                                          0.50%
                                                 1/10W
                                                                C47
                                                                                        CERAMIC CHIP 1
                                                                                                                  16 V
R53 5
       1-216-646-11
                     8
                        METAL CHIP 620
                                          0.507
                                                 1/10W
R536
       1-216-653-11
                        METAL CHIP 1.2k 0.507
                     8
                                                 1/10W
                                                                C49
                                                                       1-163-241-00
                                                                                     g
                                                                                        CERAMIC CHIP 39pF
                                                                                                              5%
                                                                                                                  50 V
                         METAL CHIP 75
R539
       1-216-624-11
                                          0.50%
                     8
                                                 1/10W
                                                                C50
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                                                 25V
R540
        1-216-677-11 s
                         METAL CHIP 12k
                                          0.50%
                                                 1/10W
                                                                C52
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                                 25V
                                                                                                            10%
                                                                                        CERAMIC CHIP 0.022
                                                                                                                 25V
                                                                C55
                                                                       1-163-037-11
                                                                                                            10%
R541
       1-216-660-11 s
                        METAL CHIP 2.4k
                                          0.50%
                                                 1/10W
                                                                C59
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
R542
       1-216-678-11
                        METAL CHIP 13k
                                          0.50%
                     s
                                                1/10W
R546
       1-216-635-11
                         METAL CHIP 220
                                          0.50%
                                                 1/10W
                                                                C60
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                    8
                                                                                                            107
                                                                                                                 25V
R549
       1-216-682-11
                        METAL CHIP 20k
                                          0.50%
                                                 1/10W
                                                                C64
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                 25V
                                          0.50%
                                                                                        CERAMIC CHIP 0.022
R571
       1-216-635-11 s
                        METAL CHIP 220
                                                 1/10W
                                                                C66
                                                                       1-163-037-11
                                                                                                                 25V
                                                                                     8
                                                                                                            10%
                                                                C73
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
R57 2
       1-216-635-11 s
                        METAL CHIP 220
                                          0.50% 1/10W
                                                                C75
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
R573
       1-216-677-11
                         METAL CHIP 12k
                                          0.50%
                                                 1/10W
                      8
R605
                        METAL CHIP 27k
                                          0.50%
                                                 1/10W
        1-216-685-11
                                                                C77
                                                                       1-163-037-11
                                                                                    8
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                 25V
R60 5
       1-216-679-11
                      8
                         METAL CHIP 15k
                                          0.50%
                                                 1/10W
                                                                C79
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                 25V
                                                                                        CERAMIC CHIP 0.022
R901
        1-216-675-11 B
                        METAL CHIP 10k
                                          0.50%
                                                1/10W
                                                                C81
                                                                       1-163-037-11
                                                                                                                 25V
                                                                                                            107
                                                                C83
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                     8
                                                                                                            107
                                                                                                                 25V
       1-216-675-11 s METAL CHIP 10k
                                          0.50% 1/10W
                                                                C86
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022
                                                                                     8
                                                                                                            107
                                                                                                                 257
                                                                                        CERAMIC CHIP 0.022
                                                                C89
                                                                       1-163-037-11
                                                                C91
                                                                       1-135-083-00
                                                                                        TANTAL CHIP 0.47
                                                                                                            10%
                                                                                                                 25V
                                                                C92
                                                                       1-124-462-00
                                                                                    8
                                                                                        ELECT
                                                                                                     10
                                                                                                            20%
                                                                                                                 16 V
                                                                C93
                                                                       1-163-037-11
                                                                                        CERAMIC CHIP 0.022 10%
                                                                                    8
                                                                                                                 25V
                                                                       1-163-037-11 s
                                                                C96
                                                                                        CERAMIC CHIP 0.022
                                                                                                            10%
                                                                                                                 25V
```

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Ref.No. Parts No. SP Description
  Ref.No. Parts No. SP Description
                                                                            8-759-204-94 s TC74HC00F (TOSHIBA)
                                                                     IC1
         1-163-037-11 s CERAMIC CHIP 0.022
                                                 10% 25%
                                                                            8-752-006-12 s
                                                                                              CX20061 (SONY)
                                                                     IC2
         1-163-037-11 s
                           CERAMIC CHIP 0.022
                                                 107
                                                       25V
                                                                     IC4
                                                                            8-752-335-47 s
                                                                                              CXD1216M (SONY)
         1-163-037-11 s CERAMIC CHIP 0.022
1-163-037-11 s CERAMIC CHIP 0.022
                                                 107
                                                       25V
  C101
                                                                            8-759-208-11 s TC4053BFHB (TOSHIBA)
                                                       257
                                                                     IC5
                                                 10%
  C102
                                                                                             CXD1217M (SONY)
         1-163-037-11 s CERAMIC CHIP 0.022
                                                                     IC6
                                                                            8-752-332-67
                                                 10%
  C103
                                                                     IC7
                                                                            8-759-239-58 s
                                                                                              TC74HC221AF (TOSHIBA)
         1-163-037-11 s
                            CERAMIC CHIP 0.022
                                                 107
                                                       25V
  C104
         1-163-037-11 s CERAMIC CHIP 0.022
1-163-037-11 s CERAMIC CHIP 0.022
                                                                     IC8
                                                                            8-759-205-06
                                                                                         8
                                                                                              TC74HC74F (TOSHIBA)
                                                 107
                                                       25V
  C105
                                                                            8-759-239-58 s TC74HC221AF (TOSHIBA)
                                                 10%
                                                       25V
                                                                     IC9
  C106
                                                                     IC10
                                                                            8-752-332-67
                                                                                          s CXD1217M (SONY)
          1-163-037-11 s
                           CERAMIC CHIP 0.022
                                                  10%
                                                       25V
  C107
                                                                                          s TC74HC86F (TOSHIBA)
                                                                     IC11
                                                                            8-759-205-08
          1-163-037-11 s
                            CERAMIC CHIP 0.022
                                                  107
                                                       25V
         1-163-037-11 s CERAMIC CHIP 0.022
                                                       25V
                                                                     IC12
                                                                            8-759-908-17
                                                                                         s TLO82CPS (TI)
                                                  10%
  C109
                                                                            8-759-902-88 s SN74LS123NS (TI)
                            CERAMIC CHIP 0.022
                                                       25V
                                                                     IC13
          1-163-037-11 s
                                                 10%
  C111
                                                                            8-759-700-95
                                                                                              NJM1496M (JRC)
                                                                                          8
          1-163-037-11 s CERAMIC CHIP 0.022
                                                 10%
                                                       250
                                                                     IC14
  C113
                                                                                             TC74HC32F (TOSHIBA)
uPC393G2 (NEC)
                                                                     IC16
                                                                            8-759-205-05
                                                                                          8
          1-163-037-11 s
                            CERAMIC CHIP 0.022
                                                  10%
                                                       25V
  C114
                                                                            8-759-100-93
          1-163-037-11 s CERAMIC CHIP 0.022
                                                 107
                                                       2 5 V
   C115
                                                                     TC18
                                                                            8-759-908-17 s TL082CPS (TI)
                            CERAMIC CHIP 0.022
                                                  10%
                                                       25V
          1-163-037-11 s
  C117
                                                                                              MC74HC123AF (MOTOROLA)
                                                                            8-7'59-008-52 s
                            CERAMIC CHIP 0.022
          1-163-037-11 s
                                                       25V
                                                                     IC19
                                                  10%
  C119
                                                                     IC20
                                                                            8-759-908-15 s TL431CLP (TI)
          1-163-037-11
                            CERAMIC CHIP 0.022
                                                 102
                                                       25V
   C123
                                                                            8-752-335-47
                                                                                              CXD1216M (SONY)
                                                                     IC21
          1-163-037-11 s CERAMIC CHIP 0.022
                                                 107
                                                       25V
                                                                     IC22
                                                                            8-759-207-66
                                                                                         s CXD1024Q (SONY)
                            CERAMIC CHIP 0.022
          1-163-037-11 s
                                                  10%
                                                       25V
   C125
                                                                     IC23
                                                                            8-752-332-67 s
                                                                                              CXD1217M (SONY)
          1-163-037-11 s CERAMIC CHIP 0.022
                                                       25V
   C126
                                                  10%
                                                                            8-759-918-35 s CX20162 (SONY)
                                                                     IC24
   C127
          1-163-037-11
                            CERAMIC CHIP 0.022
                                                  102
                                                       25V
                                                                            8-759-904-84 s 74F74PC (FSC)
                                                                     IC25
                         s CERAMIC CHIP 0.022
                                                      2 5 V
          1-163-037-11
                                                 107
   C129
                                                                     IC26
                                                                            8-759-929-83 s SN74LS11NS (TI)
                            CERAMIC CHIP 0.022
                                                       25V
          1-163-037-11
                                                  10%
   C132
                         8
                                                                            8-759-205-06 s TC74HC74F (TOSHIBA)
                            CERAMIC CHIP 0.022
                                                  10%
                                                                     IC27
          1-163-037-11
   C134
                                                                            8-759-204-96 s TC74HC04F (TOSHIBA)
                                                                     IC28
                            CERAMIC CHIP 0.022
                                                  107
                                                       25V
   C135
          1-163-037-11
                                                                     IC29
                                                                            8-759-205-23 s TC74HC244F (TOSHIBA)
                            CERAMIC CHIP 0.022
                                                       25V
   C137
          1-163-037-11
                         8
                                                  107
                                                       257
                                                                     IC30
                                                                            8-7 59-930-57
                                                                                          8
                                                                                              SN74LS164NS (TI)
                            CERAMIC CHIP 0.022
                                                  10%
          1-163-037-11
   C200
                         8
                                                                                              MC10H124M (MOTOROLA)
          1-163-037-11
                            CERAMIC CHIP 0.022
                                                       25V
                                                                     IC31
                                                                            8-759-012-02 s
   C201
                         8
                                                                                           s TC74HC244F (TOSHIBA)
                            CERAMIC CHIP 0.022
                                                  107
                                                       25V
                                                                     IC32
                                                                            8-7 59-20 5-23
   C203
          1-163-037-11
                                                                     IC33
                                                                                              MC74HC123AF (MOTOROLA)
                                                                            8-759-008-52 s
                        s CERAMIC CHIP 0.022
   C204
          1-163-037-11
                                                  107
                                                       2 5 V
                            TANTAL CHIP 1
CERAMIC CHIP 0.022
                                                                     IC34
                                                                            8-759-929-83
                                                                                          8
                                                                                              SN74LS11NS (TI)
                                                       16 V
                                                  10%
   C208
          1-135-091-00
                        8
                                                                                              TC74HC86F (TOSHIBA)
SN74LS164NS (TI)
                                                                            8-759-205-08
8-759-930-57
          1-163-037-11
                                                 10%
                                                      25V
                                                                     1035
                                                                                           8
   C210
                         8
                            CERAMIC CHIP 0.022
                                                  10%
                                                       25V
                                                                     TC36
          1-163-037-11
   C21 4
                                                                                              TL431CLP (TI)
                                                                     IC37
                                                                            8-759-908-15
          1-163-037-11
                            CERAMIC CHIP 0.022
                                                  107
                                                       25V
   C21 5
                                                                                          s TC74HC74F (TOSHIBA)
                            TANTAL CHIP 4.7
                                                  107
                                                       16 V
                                                                     IC40
                                                                            8-759-205-06
          1-135-096-21
   C216
                        8
                                                                                              SN74LS221NS (TI)
                                                                     IC41
                                                                            8-759-907-81
                                                      50 V
                                                                                          8
                                         1000pF 10%
          1-102-074-00
                        8
                            CERAMIC
   C217
                                                                            8-759-907-81
                                                                                              SN74LS221NS (TI)
                            CERAMIC CHIP 0.022
                                                                     IC42
          1-163-037-11
                                                  10%
                                                      25V
   C301
                                                                     IC200
                                                                            8-759-941-27
                                                                                          8
                                                                                             MB4002PF (FUJITSU)
                            CERAMIC CHIP 0.022
          1-163-037-11
                                                  107
                                                                            8-759-908-17 s TL082CPS (TI)
                                                                     IC201
                                                                     IC202
                                                                            8-759-945-29
                                                                                              TL601CPS (TI)
                                                                     IC203
                                                                            8-759-105-49
                                                                                           8
                                                                                              uPC319G2 (NEC)
3) CNIO1 1-506-748-31 s DIN 96P
                                                                                              TC74HC221AF (TOSHIBA)
                                                                     IC204 8-759-239-58
                                                                                          8
4) CN101 1-506-748-11 s DIN 96P
                                                                                              TC74HC04F (TOSHIBA)
TC74HC244F (TOSHIBA)
                                                                           8-759-204-96
                                                                     IC300
                                                                                           8
                                                                            8-759-205-23
                                                                     IC301
                                                                     IC302 8-759-930-57 s SN74LS164NS (TI)
IC303 8-759-930-57 s SN74LS164NS (TI)
          1-579-103-21 s CRYSTAL 17.734475MHz
1-577-294-11 s CRYSTAL 14.1875MHz
   CP1
   CP2
          1-577-294-11 s CRYSTAL 14.1875MHz
   CP3
                                                                            1-410-478-11 s MICRO 47
                                                                     L2
                                                                            1-410-478-11 s
                                                                                             MICRO 47
          8-719-100-03 s 1S2835
   Di
                                                                            1-410-478-11 s
                                                                     L3
                                                                                              MICRO 47
          8-719-101-23
                           1SS123
   D200
                        8
                                                                            1-410-478-11 s
                                                                                              MICRO 47
                                                                     L4
          8-719-105-58
                        s RD3.9M-B2
   D201
                                                                            1-410-478-11 s MICRO 47
                        s 1SS123
                                                                     L5
   D202
          8-719-101-23
   D203
          8-719-100-03 s 1S2835
                                                                            1-410-478-11 s
                                                                                              MICRO 47
                                                                     L6
          8-719-106-08 s RD6.2M-B2
8-719-101-23 s 1SS123
                                                                     L7
                                                                            1-410-478-11 s
                                                                                              MICRO 47
   D204
                                                                                              MICRO 47
                                                                            1-410-478-11 s
                                                                     L8
   D205
                                                                             1-410-478-11
                                                                                              MICRO 47
                                                                            1-410-478-11 s
                                                                                              MICRO 47
```

Ref.No	. Parts No.	SP	Description				Ref.No	. Parts No.	SP	Description		
Ll1	1-410-478-11		MICRO A7			15)	R42	1-216-656-11	۰	METAL CHIP 1.6k	0.507	1/100
Ll 2	1-410-478-11		MICRO 47			1 37	R43	1-216-651-11		METAL CHIP 1k		1/10W
LI 5	1-410-470-11		MICRO 10				R47	1-216-659-11	8	METAL CHIP 2.2k		
116	1-410-478-11		MICRO 47				R48	1-216-683-11	8	METAL CHIP 22k		1/10W
117	1-410-478-11		MICRO 47				R49	1-216-681-11		METAL CHIP 18k		1/10W
•	•								-		0.50%	1, 10
П9	1-410-478-11		MICRO 47				R50	1-216-651-11	8	METAL CHIP 1k		1/10W
1.20	1-410-478-11		MICRO 47				R53	1-216-659-11		METAL CHIP 2.2k		
1.21	1-410-478-11		MICRO 47				R55	1-216-667-11		METAL CHIP 4.7k		1/10W
1.22	1-410-478-11		MICRO 47		•		R56	1-216-667-11		METAL CHIP 4.7k		1/10W
1.23	1-410-478-11	8	MICRO 47				R58	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
1.24	1-410-478-11	8	MICRO 47				R6 0	1-216-675-11	8	METAL CHIP 10k	0.50%	1/10W
L25	1-410-478-11		MICRO 47				R61	1-216-636-11		METAL CHIP 240		1/10W -
L26	1-410-478-11		MICRO 47				R6 2	1-216-667-11		METAL CHIP 4.7k		1/10W
1.27	1-410-478-11	8	MICRO 47				R63	1-216-667-11		METAL CHIP 4.7k	0.50%	1/10W
128	1-421-329-00	8	CHOKE				R6 5	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
120	1-421-329-00		CHOKE				DC 0	1_216_674_11		METAL CHIP 9.1k	0 507	1/100
L29 L31	1-421-329-00						R68 R69	1-216-674-11 1-216-650-11		METAL CHIP 910		1/10W
L32	1-421-329-00		CHOKE				R70	1-216-649-11		METAL CHIP 820		1/10W
L34	1-421-329-00						R7 4	1-216-667-11		METAL CHIP 4.7k		
L35	1-410-478-11						R7 5	1-216-641-11		METAL CHIP 390		1/10W
L36	1-410-478-11 1-410-478-11		MICRO 47 MICRO 47				R76	1-216-018-00		CHIP 51		1/10W
L200 L201	1-410-478-11		MICRO 100				R77	1-216-018-00		CHIP 51		1/10W
L201	1-410-478-11		MICRO 47				R78 R79	1-216-651-11		METAL CHIP 1k METAL CHIP 1k		1/10W
1202	1-410-4/0 11	•	1120110 47				R80	1-216-651-11		METAL CHIP 1k		1/10W 1/10W
							ROU	1-210-0 31-11	•	HEIRE OHIT IK	0.50%	1/10#
							R81	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
Q1	8-729-100-66						R82	1-216-651-11		METAL CHIP 1k		1/10W
Q2	8-729-100-66						R83	1-216-635-11		METAL CHIP 220		1/10W
Q3	8-729-100-66						R86	1-216-651-11				1/10W
<b>Q</b> 6 Q7	8-729-100-76 8-729-100-66						R87	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
ų,	6-729-100-00	•	2001025				R88	1-216-643-11	8	METAL CHIP 470	0.50%	1/10W
Q8	8-729-100-76	8	2SA812				R92	1-216-624-11		METAL CHIP 75		1/10W
Q9	8-729-100-66	8	2SC1623				R93	1-216-699-11	8	METAL CHIP 100k	0.50%	1/10W
Q1 O	8-729-100-66						R94	1-216-679-11		METAL CHIP 15k		1/10W
Q1 1	8-729-100-66						R9 5	1-216-624-11	8	METAL CHIP 75	0.50%	1/10W
Q1 2	8-729-100-66	8	2SC1623				R97	1 216 676 11	_	WETAT OUTD O 11-	0 504	1/1017
Q1 3	8-729-100-66	8	2SC1623				R98	1-216-674-11		METAL CHIP 9.1k METAL CHIP 1k		1/10W
Q1 4	8-729-122-63						R1 03	1-216-675-11		METAL CHIP 10k		1/10W
Q1 5	8-729-100-66						R1 04	1-216-660-11		METAL CHIP 2.4k		
Q16	8-729-100-66		2SC1623				R1 0 5	1-216-665-11		METAL CHIP 3.9k	0.50%	1/10W
Q17	8-729-122-63	8	2SA1 226									
	100 ((		4001/00				R1 08	1-216-690-11				1/10W
Q1 8	8-729-100-66		28C1623 28C1623				R1 09	1-216-675-11		METAL CHIP 10k		1/10W
Q1 9	8-729-100-66						R110	1-216-675-11		METAL CHIP 10k		1/10W
Q2O Q2OO	8-729-106-68 8-729-100-66						R1 20 R1 38	1-216-669-11 1-216-670-11		METAL CHIP 5.6k METAL CHIP 6.2k		1/10W 1/10W
Q201	8-729-109-44						M 30	1-210-0/0-11	•	VILLE U.4K	U.JUA	1,10#
-	4						R139			METAL CHIP 2.7k		
Q2O2	8-729-109-44						R1 81	1-216-675-11	8	METAL CHIP 10k	0.50%	1/10W
Q2O3	8-729-100-66		2SC1623				R1 82	1-216-675-11		METAL CHIP 10k		1/10W
Q2O4	8-729-109-44						R1 83	1-216-663-11		METAL CHIP 3.3k		
Q205	8-729-100-66	8	2SC1623				R1 84	1-216-685-11	8	METAL CHIP 27k	0.50%	1/10W
							R1 85	1-216-659-11	6	METAL CHIP 2.2k	0.50%	1/10W
							R1 86	1-216-685-11		METAL CHIP 27k		1/10W
R23	1-216-673-11		METAL CHIP 8.2k		1/10W		R1 89	1-216-661-11		METAL FILM 2.7k	0.50%	
R24	1-216-673-11				1/10W		R216	1-216-649-11		METAL CHIP 820		1/10W
R28	1-216-672-11		METAL CHIP 7.5k				R221	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
R29	1-216-676-11				1/10W		<b>D</b> 222	1.016 (51.11	_	WEDLI ONTO 11-	A FA#	1/10**
R3 4	1-216-669-11	8	METAL CHIP 5.6k	0.50%	1/10W		R222	1-216-651-11				1/10W
R3 5	1-216-671-11	a	METAL CHIP 6.8k	0.507	1/10W		R229 R230	1-216-668-11 1-216-682-11		METAL CHIP 5.1k METAL CHIP 20k		
R39	1-216-691-11				1/10W	1.41	R332	1-216-659-11		METAL CHIP 2.2k		1/10W
R40	1-216-667-11						R332	1-216-657-11		METAL CHIP 1.8k		
R41	1-216-682-11				1/10W	,			-			-, -0"
14) R42	1-216-653-11		METAL CHIP 1.2k				R333	1-216-659-11	8	METAL CHIP 2.2k	0.50%	1/10W

											m		
	Ref.No.	Parts No.	SP	Description				Ref.No	. Parts No.	SP	Description		
								C207	1-163-037-11	a	CERAMIC CHIP 0.022	107	25V
	RV1	1-237-517-21			5k			C207			CERAMIC CHIP 0.022		
	RV2	1-237-517-21	8	VAR, CERMET	5k			C210			CERAMIC CHIP 1		16 V
	RV3	1-237-517-21	8	VAR, CERMET	5k			C211			CERAMIC CHIP 0.022	10%	
		1-237-519-21			20k			C21 2			CERAMIC CHIP 0.022		
	RV5	1-237-516-21	8	VAR, CERMET	2k					-	· · · · · · · · · · · · · · · · · · ·		
	nu/	1-237-515-21		WAR CERMET	1 k			C213	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	RV6 RV7	1-237-514-21		VAR, CERMET	500			C21 4	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	RV8	1-237-518-21		VAR. CERMET	10k			C216	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
	RV9	1-237-514-21	8	VAR. CERMET	500			C218			CERAMIC CHIP 0.47		16 V
	RV10	1-237-518-21	8	VAR, CERMET	10k			C221	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
		-		•				C222 C300					
	RV11	1-237-517-21	8	VAR, CERMET	5k			C222			CERAMIC CHIP 0.022		25V
	RV1 2	1-237-518-21	8	VAR, CERMET	10k			C300			CERAMIC CHIP 0.022		25V
	RV13	1-237-518-21	8	VAR, CERMET	10k			C301			CERAMIC CHIP 0.022	102	
	RV14	1-237-518-21	8	VAR, CERMET	10k			C400	1-162-637-11	8	CERAMIC CHIP 0.47 CERAMIC CHIP 0.47		16 V 16 V
	RV1 5	1-237-517-21	8	VAR, CERMET	5k			C401	1-102-03/-11	8	CERAMIC CHIP U.4/		10 4
								C402	1-162-637-11	8	CERAMIC CHIP 0.47		16 V
								C402			CERAMIC CHIP 0.47		16 V
		150 00	_	DID				C404			CERAMIC CHIP 1		16 V
	S3	1-554-150-00						C405			CERAMIC CHIP 1		16 V
	<b>S</b> 4	1-554-150-00	8	DIF				C408	1-163-037-11			107	25V
								C409			CERAMIC CHIP 0.022		
	THI	1-800-202-XX	8	S-10K				C420			CERAMIC CHIP 0.022		25V
								C421			CERAMIC CHIP 0.022		25V
								C422			CERAMIC CHIP 0.022		25V
								C423	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
											ADDING AUTO A AAA	107	2 6 11
								C428	1-163-037-11	8	CERAMIC CHIP 0.022		25V 25V
18)	TBC-12	P BOARD						C442	1-163-037-11	8	CERAMIC CHIP 0.022	107	25V
								C443			CERAMIC CHIP 0.022 CERAMIC CHIP 0.022		25V
	This b	oard includes	th	e NR-32 board.	•			C444	1-163-037-11		CERAMIC CHIP 0.022		
				MOTOR OTO	OTTTP BOA	יים ממ	BC_12D	C500	1-103-037-11	8	CERACIC CHII U.ULL	102	234
		A-6726-078-A	0	MOUNTED CIRC	CUII BOA	KD, I	BC-12F	C501	1-162-637-11		CERAMIC CHIP 0.47		16 V
								C502	1-162-637-11				16 V
								C503	1-162-637-11				16 V
	01.00	1 162-027-11		CERAMIC CHI	P 0-022	107	25V	C504	1-163-037-11			107	25V
	C100 C101	1-163-037-11			P 0-022	102	25V	C507	1-163-037-11	8	CERAMIC CHIP 0.022	107	25V
	C101	1-163-037-11		CERAMIC CHI			25V						
	C102	1-163-037-11			P 0.022	10%		C509			CERAMIC CHIP 0.022		25V
	C104	1-163-037-11						C511	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
								C51 2			CERAMIC CHIP 0.022	10%	25V
	C105	1-162-637-11	8				16 V	C513	1-162-638-11				16 V
	C106	1-162-637-11					16 V	C51 4	1-163-037-11	8	CERAMIC CHIP 0.022	102	25V
	C107	1-162-637-11					16 V						257
	C108	1-162-637-11			P 0.47		16 V	0610	1 162 027 11	_	CEBANTO CUTD O 022	107	
	C109	1-162-638-11						C518			CERAMIC CHIP 0.022		
			•	CERAMIC CHI			16 V	C520	1-163-037-11	8	CERAMIC CHIP 0.022	10%	25V
					P 1		16 V	C520 C521	1-163-037-11 1-163-037-11	8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107	25V 25V
	C110	1-162-638-11	8	CERAMIC CHI	P 1 P 1	107	16 V	C520 C521 C523	1-163-037-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107	25V
	C113	1-162-638-11 1-163-037-11	8 8	CERAMIC CHI	P 1 P 1 P 0.022		16 V 16 V 25 V	C520 C521	1-163-037-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107	25V 25V 25V
	C113	1-162-638-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022	10%	16 V 16 V 25 V 25 V	C520 C521 C523 C524	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107	25V 25V 25V 25V
	C113 C114 C117	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022	10%	16 V 25 V 25 V 25 V	C520 C521 C523 C524	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V
	C113	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022	10%	16 V 25 V 25 V 25 V	C520 C521 C523 C524 C525 C526	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V
	C113 C114 C117 C118	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022 P 0.022	107 107 107	16 V 25 V 25 V 25 V 25 V 25 V	C520 C521 C523 C524	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 1	107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 16 V
	C113 C114 C117 C118	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	5 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022	107 107 107	16 V 25 V 25 V 25 V 25 V 25 V	C520 C521 C523 C524 C525 C526 C527	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11	8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 1 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11	8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 1	107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 25 V 26 V	C520 C521 C523 C524 C525 C526 C527 C530	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 1 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 16 V 25V 25V
	C113 C114 C117 C118 C120 C122 C137	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 1 P 0.022 P 0.022	107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 25 V 25 V 25	C520 C521 C523 C524 C525 C526 C527 C530 C532	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11	8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 1 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 16V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 1 P 0.022 P 0.022	107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 25 V 25 V 25	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 1 P 0.022 P 0.022 P 0.047	107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 25 V 25 V 26 V 16 V 25 V 16 V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11	5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 1 P 0.022 P 0.022 P 0.47	107 107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 25 V 25 V 16 V 25 V 26 V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-162-637-11	5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.047 P 0.47 P 0.47 P 0.022	107 107 107 107 107 107	16 V 25V 25V 25V 25V 25V 25V 25V 16 V 25V 16 V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.47 P 0.47 P 0.022 P 0.022	107 107 107 107 107 107 107	16 V 25V 25V 25V 25V 25V 25V 16 V 16 V 25V 25V 25V 25V 25V 25V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543 C603	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z 10Z	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144 C145	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 1 P 0.022 P 0.022 P 0.47 P 0.47 P 0.022 P 0.022 P 0.022	107 107 107 107 107 107 107	16 V 25V 25V 25V 25V 25V 16 V 25V 16 V 25V 16 V 25V 25V 25V 25V 25V 25V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543 C603	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 1 P 0.022 P 0.022 P 0.47 P 0.47 P 0.022 P 0.022 P 0.022	107 107 107 107 107 107 107	16 V 25V 25V 25V 25V 25V 25V 16 V 16 V 25V 25V 25V 25V 25V 25V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543 C603	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022	107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144 C145 C146	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.047 P 0.022 P 0.022 P 0.047	107 107 107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 25 V 26 V 26 V 27 V 28 V 28 V 28 V 29 V 20 V 20 V 20 V 20 V 20 V 20 V 20 V 20	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C540 C543 C603 C801 C802 C803	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47	107 107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144 C145 C146	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.47 P 0.022 P 0.022 P 0.47 P 0.47 P 0.47 P 0.47	107 107 107 107 107 107	16 V 25V 25V 25V 25V 25V 25V 16V 25V 25V 16V 25V 25V 16V 25V 25V 16V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543 C603 C801 C802 C803 C803 C804	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	\$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.027 CERAMIC CHIP 0.027 CERAMIC CHIP 0.027 CERAMIC CHIP 0.022	107 107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144 C145 C146 C147 C200	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47	107 107 107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 16 V 25 V 25 V 16 V 25 V 16 V 16 V 25 V 25 V 16 V	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C540 C543 C603 C801 C802 C803	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	\$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.022 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47 CERAMIC CHIP 0.47	107 107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C139 C140 C142 C144 C145 C146 C147 C200 C201	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.0247 P 0.047 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47	107 107 107 107 107 107 107	16 V 25 V 25 V 25 V 25 V 25 V 16 V 25 V 25 V 16 V 16 V 25 V 25 V 16 V 16 V 16 V 16 V 16 V 16 V 16 V 16	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543 C603 C801 C802 C803 C803 C804	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	\$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.027 CERAMIC CHIP 0.027 CERAMIC CHIP 0.027 CERAMIC CHIP 0.022	107 107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V
	C113 C114 C117 C118 C120 C122 C137 C138 C139 C140 C142 C144 C145 C146 C147 C200	1-162-638-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-638-11 1-163-037-11 1-163-037-11 1-162-637-11 1-163-037-11 1-163-037-11 1-163-037-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11 1-162-637-11	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHI CERAMIC CHI	P 1 P 1 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.022 P 0.47 P 0.022 P 0.024 P 0.024 P 0.027 P 0.047 P 0.047 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47 P 0.47 P 0.022	107 107 107 107 107 107 107	16 V 25V 25V 25V 25V 25V 25V 16 V 25V 25V 16 V 16 V 16 V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25	C520 C521 C523 C524 C525 C526 C527 C530 C532 C535 C536 C540 C543 C603 C801 C802 C803 C803 C804	1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11 1-163-037-11	\$ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CERAMIC CHIP 0.022 CERAMIC CHIP 0.027 CERAMIC CHIP 0.027 CERAMIC CHIP 0.027 CERAMIC CHIP 0.022	107 107 107 107 107 107 107 107 107 107	25V 25V 25V 25V 25V 25V 25V 25V 25V 25V

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SP Description
                                                                       Ref.No. Parts No. SP Description
Ref. No. Parts No.
                                                                       IC409 8-759-204-96 a
                         CERAMIC CHIP 0.022 10% 25V
C807
       1-163-037-11 s
                                                                                                TC74HC04F (TOSHIBA)
                                                                                                uPD42101G-3 (NEC)
       1-162-637-11
                      8
                         CERAMIC CHIP 0.47
                                                    16 V
                                                                       IC500 8-759-147-05 s
C808
                         CERAMIC CHIP 0.022 10% 25V
C901
       1-163-037-11
                      8
                                                                       IC501 8-759-147-05
                                                                                             8
                                                                                                uPD42101G-3 (NEC)
                      s CERAMIC CHIP 0.022 10%
s CERAMIC CHIP 0.022 10%
                                                                       IC502 8-759-208-88 s
                                                    25V
C902
       1-163-037-11
                                                                                                CXD1131Q (SONY)
                                                                       IC504 8-759-204-94
C904
       1-163-037-11
                                                    25V
                                                                                                TC74HC00F (TOSHIBA)
                                                    25V
C906
       1-163-037-11
                          CERAMIC CHIP 0.022 10%
                                                                       IC505 8-759-001-98
                                                                                                MC10198L (MOTOROLA)
C911
       1-163-037-11
                      8
                         CERAMIC CHIP 0.022 10%
                                                   25V
25V
                                                                       IC506 8-759-508-58
                                                                                            s MB40778H (FUJITSU)
s MB40778H (FUJITSU)
       1-163-037-11
                      s CERAMIC CHIP 0.022 10%
                                                                       IC507
                                                                              8-759-508-58
C913
       1-163-037-11
                         CERAMIC CHIP 0.022 10%
                                                                       IC508
                                                                              8-759-907-81
                                                                                             8
                                                                                                SN74LS221NS (TI)
C915
                      8
                         CERAMIC CHIP 0.022 10%
                                                                       IC509
                                                                             8-7 59-981 -96
                                                                                                RC4560M (RAYTHEON)
C917
       1-163-037-11
                                                                       IC510 8-759-204-98
                                                                                                TC74HC08F (TOSHIBA)
       1-163-037-11 s CERAMIC CHIP 0.022 10% 25V 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
C918
                                                                       IC512 8-759-925-85
                                                                                            8
                                                                                                SN74HC32NS (T1)
C920
                                                                       IC601 8-759-205-06
                                                                                             8
                                                                                                TC74HC74F (TOSHIBA)
                                                                             8-7 59-930-50
                                                                       TC603
                                                                                             8
                                                                                                SN74LSI157NS (TI)
                                                                       IC801 8-759-925-84
                                                                                                SN74HC30NS (TI)
                                                                                             8
      1-569-465-11 s DIN 48P
CN1 06
                                                                                                SN74HC30NS (TI)
CN1 07
       1-568-144-11 s DIN 96P
                                                                                            8
                                                                                             s SN74HC30NS (TI)
s TC74HC574F (TOSHIBA)
s TC74HC574F (TOSHIBA)
                                                                       IC803 8-759-925-84
                                                                       IC804 8-759-205-37
                                                                                            8
                                                                       IC805
                                                                             8-7 59-20 5-37
CV102 1-141-404-11 s VAR, TRIMMER 30pF
CV103 1-141-404-11 s VAR, TRIMMER 30pF
                                                                       IC806
                                                                              8-759-147-05
                                                                                            8
                                                                                                uPD42101G-3 (NEC)
                                                                       IC807
                                                                              8-759-926-76
                                                                                                SN74HC540NS (TI)
                                                                       IC810 8-759-012-02 s
                                                                                                MC10H124M (MOTOROLA)
                                                                       IC811 8-759-012-02 s
                                                                                                MC10H124M (MOTOROLA)
       8-719-105-52 s RD3.6M-B2
D201
                                                                              8-759-012-02
                                                                       IC812
                                                                                             8
                                                                                                MC10H124M (MOTOROLA)
D202
       8-719-104-34 s
                         182836
                                                                       IC813
                                                                              8-7 59-904-80
                                                                                                74F04PC (FSC)
       8-719-100-03 s 1S2835
D400
                                                                                                TC74HC574F (TOSHIBA)
D 500
       8-719-106-17
                     s RD6.8M-B2
                                                                       IC814 8-759-205-37
                                                                                                uPD41101G-1 (NEC)
TC74HC574F (TOSHIBA)
       8-719-106-17 s RD6.8M-B2
D501
                                                                       IC815 8-759-144-87
                                                                                             8
                                                                       IC816
                                                                              8-7 59-20 5-37
                                                                                             8
D801
       8-719-100-03 s 1S2835
                                                                       IC900
                                                                              8-759-929-26
                                                                                                TL431CPS (TI)
       8-719-100-03 s
                         182835
                                                                              8-759-982-25
                                                                                                RC78LO9A (RAYTHEON)
       8-719-100-03
                      s 1S2835
D803
D900
       8-719-100-03 s 1S2835
                                                                                                MICRO 10
                                                                       LI 00
                                                                              1-410-470-11
                                                                       1101
                                                                              1-410-470-11
                                                                                                MICRO 10
DL250 1-415-546-11 s 50ns
                                                                       L102
                                                                              1-410-470-11 s MICRO 10
                                                                              1-410-470-11
                                                                       LI 03
                                                                                             8
                                                                                                MICRO 10
                                                                              1-410-478-11
                                                                       L200
                                                                                                MICRO 47
IC100 8-759-012-13 s MC10H125M (MOTOROLA)
                                                                       L201
                                                                              1-410-478-11 s MICRO 47
                                                                              1-410-478-11 s MICRO 47
1-410-478-11 s MICRO 47
                                                                       L203
IC102
       8-759-208-76 s CXD1023AQ (SONY)
       8-741-159-60 s SBX1596-01 (SONY)
                                                                       L300
IC103
                         TD62901P (TOSHIBA)
       8-759-201-41 B
                                                                              1-410-478-11
IC104
                                                                       L301
                                                                                            s MICRO 47
IC106
       8-759-981-96
                     8
                         RC4560M (RAYTHEON)
                                                                       L400
                                                                              1-410-470-11 s
                                                                                                MICRO 10
IC107
       8-759-945-29 s TL601CPS (TI)
                                                                       L401
                                                                              1-410-470-11 s MICRO 10
       8-759-915-41 s
8-759-204-96 s
IC108
                         74F02PC (FSC)
                                                                       L500
                                                                              1-410-478-11 s
                                                                                                MICRO 47
                         TC74HC04F (TOSHIBA)
TC74HC04F (TOSHIBA)
                                                                              1-410-478-11
IC109
                                                                       L502
                                                                                            8
                                                                              1-410-478-11
TC110
       8-759-204-96
                     8
                                                                       1.504
                                                                                             s MICRO 47
       8-759-983-11 s CXD8024Q (SONY)
                                                                              1-410-478-11
IC112
                                                                       L505
                                                                                             s MICRO 47
                                                                       L900
IC113
       8-759-948-37 s CXD1326AQ (SONY)
                                                                              1-421-329-00
                                                                                                CHOKE
                                                                                            8
       8-759-930-50 s SN74LS157NS (TI)
                                                                       L901
                                                                              1-421-329-00
IC114
                                                                                                CHOKE
IC200
       8-759-147-05
                      s uPD42101G-3 (NEC)
                                                                       1.902
                                                                              1-421-329-00
                                                                                                CHOKE
                                                                              1-421-329-00
                                                                       L903
IC201
       8-759-208-88 s
                         CXD1131Q (SONY)
                                                                                             8
                                                                                                CHOKE
                                                                       L904
                                                                              1-421-329-00
                                                                                                CHOKE
IC202
       8-759-981-96 s RC4560M (RAYTHEON)
IC203
       8-759-508-58
                      8
                         MB40778H (FUJITSU)
TC204
       8-759-981-96
                         RC4560M (RAYTHEON)
                      8
                         CXD1023AQ (SONY)
SBX1596-01 (SONY)
                                                                       0201
IC401
       8-759-208-76 s
                                                                              8-729-100-66 s 2SC1623
IC402
                                                                       0202
                                                                              8-729-102-07
       8-741-159-60
                      8
                                                                                            s 2SC2223-F13
                         TC74HC86F (TOSHIBA)
IC403
                                                                       Q203
                                                                              8-729-102-07
       8-759-205-08 s
                                                                                            s 2SC2223-F13
                                                                       Q204
                                                                              8-729-100-66
                                                                                                2 SC16 23
                                                                                            8
IC404
       8-759-239-58 8
                         TC74HC221AF (TOSHIBA)
                                                                       Q205
                                                                              8-729-109-43
                                                                                                2SK94-X3
                         BX1461 (SONY)
TC4053BFHB (TOSHIBA)
IC405
       8-749-901-21 s
IC406
       8-759-208-11 s
                                                                       0250
                                                                              8-729-100-66
                                                                                            8
                                                                                                2SC1623
TC407
       8-759-908-17
                     8
                         TL082CPS (TI)
                                                                       Q251
                                                                              8-729-100-76
                                                                                                2SA812
                                                                                            8
                                                                       Q400
TC408
       8-759-907-81 s SN74LS221NS (TI)
                                                                              8-729-100-66
                                                                                                2SC1623
                                                                       0401
                                                                              8-729-100-76
                                                                                             8
                                                                                                2 SA81 2
                                                                       0402
                                                                              8-729-100-76
                                                                                                2 SA81 2
```

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Ref. No. Parts No. SP Description
   Ref. No. Parts No. SP Description
                                                                                             METAL CHIP 620 0.50% 1/10W
                                                                    R520
                                                                           1-216-646-11 s
          8-729-100-66 s
   0500
                                                                           1-216-653-11
                                                                                             METAL CHIP 1.2k 0.50% 1/10W
                                                                    R521
          8-729-100-66
                            2SC1623
   0501
                                                                                                              0.50%
                                                                           1-216-624-11
                                                                    R524
                                                                                         8
                                                                                             METAL CHIP 75
                                                                                                                     1/10W
          8-729-100-66
                            2SC1623
   Q502
                                                                                                             0.50%
                                                                                             METAL CHIP 2.4k
                                                                           1-216-660-11
                                                                                                                     1/10W
                                                                    R529
                                                                                         8
          8-729-100-66
                         8
                            2SC1623
   0503
                                                                                             METAL CHIP 9.1k
                                                                                                             0.50%
                                                                           1-216-674-11 s
                                                                                                                     1/10W
                                                                    R530
                            2SC1623
          8-729-100-66
   0504
                         8
                                                                                             METAL CHIP 620
                                                                                                                      1/109
                                                                                                              0.507
                            2SC1623
          8-729-100-66
   Q505
                                                                    R536
                                                                           1-216-653-11
                                                                                         8
                                                                                             METAL CHIP 1.2k
                                                                                                              0.50%
                                                                                                                      1/10W
          8-729-900-53
                         8
                            DTC114EK
   0801
                                                                                                              0.50%
                                                                                             METAL CHIP 75
                                                                                                                     1/10W
                                                                    R539
                                                                           1-216-624-11 s
                            DTC114EK
   0802
          8-729-900-53
                         8
                                                                                             METAL CHIP 12k
                                                                           1-216-677-11
                                                                    R540
                                                                                         8
          8-729-900-53
                            DTC114EK
   C080
                         8
                                                                    R541
                                                                           1-216-660-11
                                                                                             METAL CHIP 2.4k
                                                                                                              0.50%
                                                                                                                      1/10W
          8-729-106-68
                            2SD1615A-GP
   0900
                                                                           1-216-678-11 s
                                                                    R542
                                                                                             METAL CHIP 13k
                                                                                                              0.50%
                                                                                                                      1/10W
                                                                                             METAL CHIP 220
                                                                           1-216-635-11 s
                                                                                                              0.50%
                                                                                                                     1/10W
                                                                    R546
                                                                                             METAL CHIP 20k
                                                                                                              0.50%
                                                                                                                     1/10W
                                                                           1-216-682-11 s
                                                                    R549
          1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
   R138
                                                                                             METAL CHIP 220
                                                                           1-216-635-11
                                                                                                               0.50%
                                                                    R571
                                                                                         8
                            METAL CHIP 4.7k 0.50%
                                                    1/10W
          1-216-667-11 s
   R139
                                                                                             METAL CHIP 220
                                                                                                              0.50%
                                                                                                                      1/10W
                                                                    R572
                            METAL CHIP 16k
                                              0.50% 1/10W
          1-216-680-11 s
    R1 40
                            METAL CHIP 10k
           1-216-675-11
                                              0.50%
                                                     1/10W
                         8
    R1 41
                                                                                                              0.50%
                                                                                                                      1/10W
                                                                           1-216-677-11 s METAL CHIP 12k
                                                                    R573
           1-216-662-11
                            METAL CHIP 3k
                                              0.50%
                                                     1/10W
    R1 42
                                                                           1-216-679-11 s
                                                                                            METAL CHIP 15k
                                                                                                              0.50%
                                                                                                                      1/10W
                                                                    R605
                                                                                            METAL CHIP 10k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                                           1-216-675-11
                                                                                         8
                                                     1/10W
                                                                    R901
                            METAL CHIP 4.7k
          1-216-667-11
    R1 43
                        8
                                                                    R902
                                                                           1-216-675-11 s
                                                                                            METAL CHIP 10k
                                                                                                               0.50%
                                                                                                                      1/10W
                                                     1/10W
                            METAL CHIP 11k
                                              0.50%
          1-216-676-11
                        8
    R1 44
    R1 45
           1-216-683-11
                            METAL CHIP 22k
                                              0.50%
                                                     1/10W
           1-216-672-11
                         8
                            METAL CHIP 7.5k
                                              0.50%
                                                     1/10W
                                              0.50%
                            METAL CHIP 7.5k
          1-216-672-11
                        8
    R202
                                                                    RV200 1-237-501-21 s VAR, CERMET 2k
RV250 1-237-501-21 s VAR, CERMET 2k
                             METAL CHIP 15k
                                              0.50%
                                                     1/10W
    R203
           1-216-679-11
                                              0.50%
                             METAL CHIP 15k
                                                     1/10W
           1-216-679-11
                         8
    R204
                             METAL CHIP 2.7k
                                              0.50%
                                                     1/10W
    R205
           1-216-661-11
           1-216-674-11
                             METAL CHIP 9.1k
                                             0.50%
                                                     1/10W
    R206
                                                                    $500
                                                                           1-554-149-00 s DIP
           1-216-677-11
                             METAL CHIP 12k
                                              0.50%
                                                     1/10W
    R208
                                                     1/10W
                            METAL CHIP 11k
                                              0.50%
    R209
           1-216-676-11 s
                             METAL CHIP 2.4k
                                              0.50%
                                                     1/10W
           1-216-660-11
    R216
                         8
                             METAL CHIP 7.5k
           1-216-672-11
                                              0.50%
                                                     1/10W
    R217
           1-216-679-11
                             METAL CHIP 15k
                                              0.50%
                                                     1/10W
    R220
                                                                    TC-40AP BOARD
                                                     1/10W
                             METAL CHIP 13k
                                              0.50%
    R223
                                                                            A-6717-488-A o MOUNTED CIRCUIT BOARD, TC-40AP
                             METAL CHIP 15k
                                              0.50%
                                                    1/10W
           1-216-679-11 s
    R229
                             METAL CHIP 300
           1-216-638-11
                                              0.50%
                                                    1/10W
    R2 54
                             METAL CHIP 300
                                              0.50%
                                                     1/10W
    R255
           1-216-638-11 s
           1-216-619-11
                             METAL CHIP 47
                                              0.50%
                                                     1/10W
17)
    R2 56
                                                                     C59
                                                                            1-124-236-00 s
                                                                                            RLECT
                                                                                                           47
                                                                                                                  20% 16 V
           1-216-623-11
                             METAL CHIP 68
                                              0.50%
                                                     1/10W
                                                                                                                  20% 16 V
                                                                            1-124-462-00
                                                                                             ELECT
                                                                                                           10
                                                                     C217
                                                                                          8
                                                                                                                  20% 16 V
                                                                            1-124-236-00
                                                                                             ELECT
                                                                                                           47
                             METAL CHIP 1k
                                              0.50% 1/10W
                                                                     C218
           1-216-651-11
    R2 57
                                                                                                           47
                                                                     C219
                                                                            1-124-236-00
                                                                                              ELECT
                                                                                                                  20%
                                                                                                                      16 V
                             METAL CHIP 1.6k
                                              0.50%
                                                     1/10W
           1-216-656-11
    R258
                                                                     C220
                                                                            1-124-462-00
                                                                                             ELECT
                                                                                                           10
                                                                                                                  20%
                                                                                                                      16 V
           1-216-655-11
                             METAL CHIP 1.5k
                                              0.50%
                                                     1/10W
    R260
                             METAL CHIP 470
                                              0.50%
                                                     1/10W
           1-216-643-11
    R261
                         ß
                                                                                              ELECT
                                                                                                                  20%
                                                                                                                       16 V
                                                                     C222
                                                                            1-126-103-11 s
                                                                                                           470
                             METAL CHIP 220
                                              0.50%
                                                     1/10W
           1-216-635-11 s
    R262
                                                                            1-163-037-11 s
                                                                                              CERAMIC CHIP 0.022
                                                                                                                      25V
                                                                                                                  10%
                                                                     C223
                                                     1/10W
                                                                                                                  20% 16 V
                                                                     C224
                                                                            1-126-103-11
                                                                                             ELECT
                                                                                                           470
                                              0.50%
           1-216-619-11
                             METAL CHIP 47
    R266
                        8
                                                                            1-163-037-11
                                                                                             CERAMIC CHIP 0.022
                                                                                                                  10%
                                                                                                                       25V
                             METAL CHIP 2k
                                              0.50%
                                                     1/10W
    R268
           1-216-658-11
                         8
                             METAL CHIP '430
                                              0.50%
                                                                            1-124-236-00
                                                                                             ELECT
                                                                                                           47
                                                                                                                  20%
                                                                                                                       16 V
                                                     1/10W
                                                                     C229
           1-216-642-11
    R769
                             METAL CHIP 750
                                              0.50%
                                                     1/10W
           1-216-648-11
    R270
                                                                            1-124-236-00 s
                                                                                              ELECT
                                                                                                                  207
                                                                                                                       16 V
                                                                     C230
           1-217-666-31
                             SHORT
                                        0.01
                                                       1/6W
    R273
                                                                     C231
                                                                            1-124-462-00
                                                                                              ELECT
                                                                                                           10
                                                                                                                  20% 16 V
                                                                            1-124-462-00
                                                                                             ELECT
                                                                                                           10
                                                                                                                  20% 16 V
                            METAL CHIP 12k
                                               0.50%
                                                     1/10W
                                                                     C232
           1-216-677-11 s
    R418
                             METAL CHIP 22k
                                               0.50%
                                                     1/10W
                                                                     C233
                                                                            1-124-236-00
                                                                                             ELECT
                                                                                                           47
                                                                                                                  20% 16 V
           1-216-683-11
    R424
                                              0.50%
                                                     1/10W
                                                                     C234
                                                                            1-124-236-00
                                                                                           8
                                                                                              ELECT
                                                                                                           47
                                                                                                                  20% 16 V
           1-216-673-11
                             METAL CHIP 8.2k
    R425
                             METAL CHIP 10k
                                               0.50%
                                                     1/10W
            1-216-675-11
    R426
                                                                                              ELECT
                                                                                                                  20%
                                                                                                                       16 V
                             METAL CHIP 1.5k
                                              0.50%
                                                     1/10W
    R427
            1-216-655-11
                                                                            1-124-462-00
                                                                                             ELECT.
                                                                                                           10
                                                                                                                  20% 16 V
                                                                     C238
                                                                                           8
                                                                            1-124-236-00
                                                                                                                  20% 16 V
                                                                     C239
                                                                                           8
                                                                                             ELECT
                                                                                                           47
                             METAL CHIP 1.5k
                                              0.50%
                                                     1/10W
     R428
            1-216-655-11
                          8
                                                                                                                       16 V
                                                                                             ELECT
                                                                                                                  20%
                                                                     C240
                                                                            1-124-236-00
                                                                                           8
                                                                                                           47
           1-216-659-11
                             METAL CHIP 2.2k
                                              0.50%
                                                     1/10W
    R430
                          8
                                                                            1-124-236-00
                                                                                              ELECT
                                                                                                           47
                                                                                                                  20% 16 V
                                                     1/10W
                                                                     C241
                             METAL CHIP 4.3k
            1-216-666-11
                                               0.50%
                          8
    R432
            1-216-667-11
                             METAL CHIP 4.7k
                                               0.50%
                                                      1/10W
     R433
                                                                     C242
                                                                            1-124-236-00
                                                                                              ELECT.
                                                                                                           47
                                                                                                                  202
                                                                                                                       16 V
            1-216-679-11
                             METAL CHIP 15k
                                               0.50%
                                                      1/10W
                                                                     C246
                                                                            1-124-499-11
                                                                                              ELECT
                                                                                                           1
                                                                                                                  20%
                                                                                                                       50 V
                                                                                           8
                                                                                                           47
                                                                            1-124-236-00
                                                                                              ELECT
                                                                                                                  20%
                                                                                                                       16 V
                                                     1/10W
                                                                     C253
            1-216-679-11
                             METAL CHIP 15k
                                               0.50%
                                                                                           8
     R511
                                                                     C254
                                                                            1-124-236-00
                                                                                              ELECT
                                                                                                                  20%
                             METAL CHIP 7.5k 0.50%
METAL CHIP 15k 0.50%
                                                     1/10W
1/10W
     R512
                                                                                                                  20% 16 V
                                                                                              ELECT
                                                                                                           470
                                                                     C272
                                                                            1-126-103-11
            1-216-679-11
                          8
                             METAL CHIP 2.7k 0.50%
            1-216-661-11
     R51 4
                            METAL CHIP 9.1k 0.50%
            1-216-674-11
     R515
```

# C-40AP, TR-18, VO-18AP

	D. 5. W.	D V.	a D	D				Dof No	Dawta Na	en	Dagomintian			
	Ker.No.	Parts No.	SP	Description					. Parts No.	SP	Description			
		1-126-103-11			470		16 V	TR-18	BOARD					
		1-124-899-00 1-124-899-00			22 22		25V 25V		1-611-279-13	0	PRINTED CIRC	UIT BOA	RD. I	R-18
	C27 9	1-124-236-00	8	ELECT	47	20%	16 V						,	
	C280	1-124-499-11	8	ELECT	1	20%	50 V							
8)	C403	1-124-236-00	8	ELECT	47	20%	16 V		8-749-020-80	8	DM-208			
		1-506-748-31												
4)	CNZ05	1-506-748-11	8	DIN 361				VO-18A	P BOARD					
		•						Thin b		<b></b>	DUC 270 has			
	D206	8-719-100-03	8	182835				Inis D	oard included	tne	DUS-2/U DORT	α.		
	D207	8-719-101-23							A-6711-953-A					
								18)	A-6711-953-B	٥	MOUNTED CIRC	UIT BOA	RD, V	'0-18AP
		8-759-700-07 8-759-208-09				)		C3	1-124-584-00	a	RLECT	100	20%	107
8)		8-759-908-17				,		C5	1-124-584-00			100	20%	107
9)		8-759-700-78						C1 5	1-124-224-00			47	20%	6.3V
	IC208	8-759-700-43	8	NJM4558M (JR	(C)			C18	1-163-111-00				5%	50 V
	TC209	8-759-208-11	8	TC4053BFHB (	TOSHIBA	)		C27	1-124-236-00	8	ELECT	47	20%	10V
		8-759-700-43				•		C29	1-124-236-00	8	ELECT	47	20%	107
		8-759-705-62						C30	1-124-222-00			22		6.3V
		8-759-200-90						C32	1-123-611-00			1	20%	50 V
	10213	8-7 59-200-77	В	10402888 (10	SHIBA			C45 C48	1-124-584-00 1-124-584-00			100 100	20% 20%	10V 10V
	IC214	8-759-204-06	8	TC4075BF (TO	SHIBA)							100	20%	101
	IC215	8-759-745-56	8	NJM4556D (JR	lC)			C55	1-124-584-00			100	20%	107
								C56 C70	1-124-584-00 1-124-584-00			100 100	20% 20%	10V 10V
								C76	1-124-225-00			100		6.3V
	L201							C78	1-124-224-00	8	ELECT	47		6.3V
	L202	1-459-155-00	8	45 (WITH COR	(E)			C87	1-124-224-00	8	ELECT	47	207	6.3V
									1-163-105-00				5%	50 V
								C608	1-124-899-00			22	20%	25V
	Q2O 9 Q21 O	8-729-202-38 8-729-202-38						C611 C613	1-124-499-11 1-124-499-11			1	20% 20%	50 V 50 V
	Q211	8-729-271-22						0013	1-114-475-11	•	BUBUI	•	20%	JU 1
	Q21 2							C616	1-124-225-00			100		6.3V
	Q21 3	8-729-220-93	8	2SK209-G					1-124-899-00 1-124-499-11			22 1	20%	25V
	Q21 4	8-729-109-11	8	DTA1 44EK				C633	1-124-499-11			1	20% 20%	50 V 50 V
		8-729-109-44						C6 46	1-124-899-00			22	20%	25V
8)	Q21 6	8-729-901-01	8	DTC1 44EK				C6 48	1-124-899-00		BI FOT	22	204	257
								C6 51	1-136-157-00			0.022	20% 10%	25V 50V
								C6 53	1-130-519-00	8	MYLAR	0.018	10%	50 V
		1-216-675-11							1-124-222-00			22	207	6.3V
	R337 R338			METAL CHIP 1 METAL CHIP 6			1/10W 1/10W	C702	1-163-037-11	8	CERAMIC CHIP	0.022	10%	25V
	R341			METAL CHIP 7			1/10W	C703	1-163-037-11	8	CERAMIC CHIP	0.022	107	25V
	R3 42			METAL CHIP 1			1/10W	C704	1-124-462-00	8	ELECT	10	207	16 V
								C705	1-163-037-11					25V
	R343			METAL CHIP 7			1/10W	C706 C707	1-124-462-00 1-163-037-11			10	20%	16 V
	R344 R345			METAL CHIP 1 METAL CHIP 3			1/10W 1/10W	0/0/	7-103-03/-11		SERMING UNIP	0.022	104	25V
	R3 46	1-216-663-11	8	METAL CHIP 3	.3k 0.5	50%	1/10W	C710	1-163-037-11	8	CERAMIC CHIP	0.022	10%	25V
	R3 47	1-216-663-11	8	METAL CHIP 3	.3k 0.5	50%	1/10W	C713	1-163-037-00					25V
	R348	1-216-662-11		METAL CHIP 3	31- 01	507	1/10W	C714 C715	1-163-037-11 1-163-037-11					25V
		1-216-675-11					1/10W 1/10W	C716	1-163-037-11					25V 25V
								0710						
								C718 C719	1-163-037-11 1-163-037-11	8 8	CERAMIC CHIP	0.022	10%	25V 25V
	RV201	1-237-516-21	8	VAR, CERMET	2k			C720	1-163-037-11					25V 25V
		1-237-516-21						C721	1-124-462-00	8	ELECT	10	20%	16 V
								C723	1-124-234-00	8	ELECT	22	20%	107

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Ref. No. Parts No. SP Description
                                                                                        Ref. No. Parts No. SP Description
                                                                                       IC106 8-759-708-05 8 NJM78L05A (JRC)
IC107 8-759-700-65 8 NJM79L05A (JRC)
IC108 8-759-941-79 8 S-80230AG (SEIKO I AND E)
IC109 8-759-708-08 8 NJM78L08A (JRC)
IC110 8-759-700-65 8 NJM79L05A (JRC)
                                                               20% 10V
            1-124-229-00 s ELECT
    C724
                                                               20% 6.3V
             1-124-224-00 s
                                                     47
                                   ELECT
    C725
             1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
    C726
             1-163-037-11 s CERAMIC CHIP 0.022 10%
            1-124-225-11 s ELECT
                                                     100
                                                               20%
                                                                    6.3V
    C729
                                                                                        IC111 8-759-937-61 s S-81230AG (SEIKO I AND E)
                                                                                        IC112 8-759-708-05 8 NJM78L05A (JRC)
IC113 8-759-700-65 8 NJM79L05A (JRC)
IC601 8-752-011-10 8 CX20111 (SONY)
3) CN103 1-506-748-31 s DIN 96P
4) CN103 1-506-748-11 s DIN 96P
                                                                                        IC602 8-752-011-10 s
                                                                                                                       CX20111 (SONY)
                                                                                        IC603 8-759-207-74 s TC4030BFHB (TOSHIBA)
                                                                                        IC603 8-759-700-43 8 NJM4558M (JRC)
IC605 8-759-205-78 8 TC504013BF (TOSHIBA)
             1-141-260-11 s TRIMMER 50pF
    CV1
                                                                                        IC606 8-759-200-90 s TC4538BF (TOSHIBA)
IC700 8-759-941-27 s MB4002PF (FUJITSU)
             8-719-109-57 s RD2.4ES-B2
                                                                                        IC701 8-759-929-80 s SN74LS08NS (TI)
    D601
             8-719-101-23 s 1SS123
                                                                                        IC702 8-749-938-10 s BX381 (SONY)
IC703 8-759-908-17 s TL082CPS (TI)
IC704 8-759-100-93 s uPC393G2 (JRC)
             8-719-101-23 s 1SS123
    D602
             8-719-921-11
             8-719-921-11 s HZ2ALL
8-719-921-11 s HZ2ALL
                                     HZ2ALL
    0603
    D604
                                                                                        IC705 8-759-008-52 B MC74HC123AF (MOTOROLA)
            8-719-104-23 s 1SS123
    D605
                                                                                        IC706 8-759-947-82 8 TL610CPS (TI)
IC707 8-752-015-81 8 CX20158 (SONY)
IC708 8-759-929-78 8 SN74LS04NS (TI)
             1-415-565-11 s 370ns
     DL2 1-415-543-11 8
DL700 1-415-538-11 8
                                     300ns
                                                                                        Ll
                                                                                                 1-421-329-00 s CHOKE
                                                                                                 1-421-329-00 s CHOKE
                                                                                        L2
                                                                                        L3
                                                                                                 1-421-329-00 s CHOKE
     FB601 1-535-178-00 s FERRITE BEAD
FB602 1-535-178-00 s FERRITE BEAD
                                                                                        L4
                                                                                                 1-421-329-00 s CHOKE
                                                                                        L5
                                                                                                 1-421-329-00 s CHOKE
                                                                                        L7
                                                                                                 1-410-478-11 s
                                                                                                                       MICRO 47
                                                                                        L8
                                                                                                 1-410-478-11 s MICRO 47
            1-236-005-11 s LOW-PASS 5.5MHz
                                                                                                 1-410-478-11 s MICRO 47
1-410-478-11 s MICRO 47
17) FL1
                                                                                        L9
              1-236-393-11 s LOW-PASS
                                                                                        L12
18) FL1
     FL601 1-236-015-11 s BANDFASS 310kHz
FL602 1-236-015-11 s BANDFASS 540kHz
FL603 1-236-590-11 s LOW-FASS 1.0MHz
                                                                                                 1-410-478-11 s MICRO 47
                                                                                                 1-410-478-11 s MICRO 47
                                                                                        L1 4
                                                                                                 1-410-482-31 s
                                                                                        L17
                                                                                                                       MICRO 100
     FL604 1-236-590-11 s LOW-PASS 1.0MHz
FL700 1-236-091-11 s LOW-PASS 4.00MHz
FL701 1-236-091-11 s LOW-PASS 4.00MHz
                                                                                                 1-410-467-21 s MICRO 5.6
                                                                                        119
                                                                                                 1-410-471-11 s MICRO 12
1-410-478-11 s MICRO 47
                                                                                        1.20
                                                                                        L701
                                                                                                 1-410-478-11 s MICRO 47
1-410-478-11 s MICRO 47
1-410-478-11 s MICRO 47
                                                                                        L702
                                                                                        L703
              8-759-014-29 s MC34184M (MOTOROLA)
                                                                                        1.704
      IC1
              8-759-947-82 s TL610CPS (TI)
      1C3
              8-752-015-81 s CX20158 (SONY)
      TC4
               8-752-015-81 s CX20158 (SONY)
      IC5
                                                                                                 1-407-575-00 s VAR 100
1-407-575-00 s VAR 100
              8-752-015-81 s CX20158 (SONY)
                                                                                        LV1
      IC6
                                                                                        1.72
               8-759-204-94 s TC74HC00F (TOSHIBA)
      IC7
              8-759-941-17 s SN74LS06NS (TI)
      IC8
              8-759-204-98 s TC74HC08F (TOSHIBA)
8-759-204-96 s TC74HC04F (TOSHIBA)
      IC9
                                                                                        Q1
                                                                                                 8-729-100-66 s 2SC1623
      IC10
                                                                                                 8-729-100-66 s 2SC1623
8-729-201-27 s 2SC2715-Y
               8-752-015-81 s CX20158 (SONY)
                                                                                        Q2
                                                                                        03
                                                                                                 8-729-201-27 s 2SC2715-Y
      IC12
               8-752-015-81 s CX20158 (SONY)
                                                                                        Q4
               8-752-015-81 s CX20158 (SONY)
                                                                                        Q5
                                                                                                  8-729-201-27 s 2SC2715-Y
      IC13
               8-759-908-17
                                 s TLO82CPS (TI)
      IC15
                                 s TLO82CPS (TI)
                                                                                        06
                                                                                                 8-729-102-07 s 2SC2223-F13
               8-759-908-17
      IC17
      IC100 8-759-708-05 8 NJM78L05A (JRC)
                                                                                                 8-729-201-27 s 2SC2715-Y
                                                                                        07
                                                                                        Q8
                                                                                                 8-729-201-27 s 2SC2715-Y
                                                                                                 8-729-201-27 s 2SC2715-Y
8-729-201-27 s 2SC2715-Y
      IC101 8-759-708-08 s NJM78L08A (JRC)
                                                                                         09
      IC102 8-759-700-65 8 NJM79L05A (JRC)
IC103 8-759-700-67 8 NJM79L08A (JRC)
IC104 8-759-708-05 8 NJM78L05A (JRC)
                                                                                        Q10
                                                                                        Q11
                                                                                                  8-729-907-26 s IMX1
      IC105 8-759-700-65 8 NJM79L05A (JRC)
                                                                                        Q1 2
                                                                                                  8-729-201-27 s 2SC2715-Y
                                                                                        Q13
                                                                                                  8-729-122-63 s 2SA1226
                                                                                                 8-729-201-27 s 2SC2715-Y
8-729-122-63 s 2SA1226
                                                                                         014
                                                                                        015
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Ref.No	. Parts No.	SP	Description			Ref.No	. Parts No.	SP	Description		
Q16	8-729-201-27	8	2SC2715-Y			R50	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
Q17	8-729-201-27		2SC2715-Y			R51	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
Q18	8-729-201-27		2SC2715-Y			R58	1-216-644-11	8	METAL CHIP 510	0.50%	1/10W
Q19	8-729-100-76		2SA812			R7 2	1-216-641-11			0.50%	1/10W
Q20	8-729-201-27		2SC2715-Y			R73	1-216-651-11	8	METAL CHIP 1k		1/10W
4-0		_						-	ILLIA OHII IK	0.50%	1/10"
Q25	8-729-201-27	8	2SC2715-Y			R7 5	1-216-644-11	8	METAL CHIP 510	0.50%	1/10W
Q26	8-729-312-22		2SA1122			R79	1-216-639-11	8	METAL CHIP 330	0.50%	1/10W
Q27	8-729-100-76		2SA812			R81	1-216-641-11	8	METAL CHIP 390	0.50%	1/10W
Q28	8-729-100-66		2SC1623			R8 5	1-216-639-11	8	METAL CHIP 330	0.50%	1/10W
Q29	8-729-100-66	8	2SC1623			R93	1-216-659-11	8	METAL CHIP 2.2k	0.50%	1/10W
•											
Q30	8-729-904-42	8	FMY3			R98	1-216-637-11	8		-	1/10W
Q31	8-729-122-63		2 SA1 226			R1 01	1-216-657-11	6	METAL CHIP 1.8k	0.50%	1/10W
Q32	8-729-201-27		2SC2715-Y			R1 03	1-216-640-11	8	METAL CHIP 360	0.50%	1/10W
Q401	8-729-100-66		2SC1623			R1 04	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
Q501	8-729-100-76	8	2SA812			R1 0 5	1-216-624-11	8	METAL CHIP 75	0.50%	1/10W
						D1 06	1-216-610-11		METAL OUTD 47	0 504	1/1011
Q502	8-729-100-76		2 SA81 2			R1 06 R1 09	1-216-619-11 1-216-643-11	8 8	METAL CHIP 47 METAL CHIP 470	0.50%	1/10W 1/10W
Q503	8-729-902-27		FMS1			R111	1-216-673-11	8	METAL CHIP 8.2k		
Q504	8-729-903-11		FMW1			R114				0.50%	1/10W
Q6 O1	8-729-271-22		2SC2712-G			R115	1-216-649-11	8	METAL CHIP 820	0.50%	1/10W
Q6 O 2	8-729-271-22	8	2SC2712-G			KIIJ	1-216-645-11	8	METAL CHIP 560	0.50%	1/10W
Q6 Q3	8-729-271-22	. 8	2SC2712-G			R116	1-216-657-11	8	METAL CHIP 1.8k	0.50%	1/10W
Q6 O 4	8-729-271-22		2SC2712-G			R117	1-216-659-11	8	METAL CHIP 2.2k		1/10W
Q6 O 5	8-729-271-22					R119	1-216-627-11	8	METAL CHIP 100		1/10W
Q700	8-729-201-27		2SC2715-Y			R1 20	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
Q7 O1	8-729-201-27		2SC2715-Y			R1 21	1-216-619-11		METAL CHIP 47		1/10W
•											
Q7 O 2	8-729-100-66	8	2SC1623			R1 22	1-216-611-11	8	METAL CHIP 22	0.50%	1/10W
Q7 O3	8-729-100-66	8	2SC1623			R1 24	1-216-619-11	8	METAL CHIP 47	0.50%	1/10W
						R1 25	1-216-623-11	8	METAL CHIP 68	0.50%	1/10W
						R1 26	1-216-624-11	8	METAL CHIP 75	0.50%	1/10W
						R1 28	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
R1	1-216-638-11		METAL CHIP 300	0.50%							
R2	1-216-639-11		METAL CHIP 330	0.50%		R1 30	1-216-647-11		METAL CHIP 680	0.50%	1/10W
R4	1-216-639-11		METAL CHIP 330	0.50%		R1 31	1-216-638-11	8	METAL CHIP 300		1/10W
R5	1-216-641-11			0.50%		R1 40	1-216-627-11	8 8	METAL CHIP 100		1/10W
R7	1-216-647-11	8	METAL CHIP 680	0.50%	1/10#	R1 41 R1 43	1-216-659-11		METAL CHIP 2.2k METAL CHIP 2.2k	0.50% 0.50%	1/10W 1/10W
R8	1-216-641-11	. 8	METAL CHIP 390	0.50%	1/10W	147	1 210 055-11	•	IMIAM OUTI 2.2k	0.50%	1/10#
RI I	1-216-641-11			0.50%	1/10W	R1 53	1-216-619-11	8	METAL CHIP 47	0.50%	1/10W
R1 4	1-216-659-11				1/10W	R1 54	1-216-619-11	8	METAL CHIP 47	0.50%	1/10W
R1 5	1-216-659-11		METAL CHIP 2.2k	0.50%	1/10W	R201	1-216-651-11	8	METAL CHIP 1k		1/10W
R1 6	1-216-643-11		METAL CHIP 470	0.50%	1/10W	R202	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
						R203	1-216-651-11	8	METAL CHIP 1k	0.50%	1/10W
6) R17	1-216-649-11	. 8		0.50%	1/10W						
7) R17	1-216-650-11		METAL CHIP 910		1/10W	R204	1-216-651-11	8			1/10W
R1 8	1-216-655-11				1/10W	R505	1-216-627-11	8		0.50%	1/10W
R1 9	1-216-659-11			0.50%	1/10W	R506	1-216-627-11			0.50%	1/10W
R20	1-216-659-11	. 8	METAL CHIP 2.2k	0.50%	1/10W	R508	1-216-624-11	8	METAL CHIP 75	0.50%	1/10W
201	1 016 607 11	_	את מדעו מעדים	0 509	1/10₩	R511	1-216-639-11	8	METAL CHIP 330	0.50%	1/10W
R21	1-216-627-11	. 8	METAL CHIP 100 METAL CHIP 470	0.50%		P612	1-216-022-00	•	CHIP 200	57	1/100
R26	1-216-643-11			0.50%		R6 42	1-216-032-00 1-216-032-00				1/10W
R27 R30	1-216-677-11			0.50%		R666	1-216-699-11		METAL CHIP 100k	0.50%	1/10W 1/10W
R31	1-216-645-11		METAL CHIP 560	0.50%		R676	1-216-672-11		METAL CHIP 7.5k		1/10W
	1-270-042-11	. •			-,	R702	1-216-630-11		METAL CHIP 130		1/10W
R3 2	1-216-627-11	. 8	METAL CHIP 47	0.50%	1/10W						
R33	1-216-639-11		METAL CHIP 330	0.50%		R703	1-216-644-11	8	METAL CHIP 510	0.50%	1/10W
R3 4	1-216-639-11		METAL CHIP 330	0.50%	1/10W	R706	1-216-644-11	8	METAL CHIP 510	0.50%	1/10W
R3 9	1-216-653-11	. 8		0.50%	1/10W	R710	1-216-675-11		METAL CHIP 10k	0.50%	1/10W
R40	1-216-651-11	. 8	METAL CHIP 1k	0.50%	1/10W	R711	1-216-675-11		METAL CHIP 10k	0.50%	
						R712	1-216-667-11	8	METAL CHIP 4.7k	0.50%	1/10W
R41	1-216-651-11		METAL CHIP 1k	0.50%		D710					
R42	1-216-651-11			0.50%		R713			METAL CHIP 10k	0.50%	
R43	1-216-659-11			0.50% 0.50%		R714			METAL CHIP 10k	0.50%	
R44	1-216-636-11					R715	1-216-667-11		METAL CHIP 4.7k		1/10W
R48	1-710-039-11	. 8	METAL CHIP 2.2k	0.30%	1/10#	R718 R719	1-216-664-11		METAL CHIP 3.6k METAL CHIP 3.3k	0.50%	
						A() 1.7	1-210-003-11		HELD OHIT J.JK	0.50%	1/10W

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Ref.No. Parts No. SP Description
Ref.No. Parts No. SP Description
                                                                       VR-62 BOARD
      1-216-664-11 s METAL CHIP 3.6k 0.50% 1/10W
R720
                        METAL CHIP 15k
                                          0.50% 1/10W
       1-216-679-11 s
R724
                                                                              1-622-589-13 o PRINTED CIRCUIT BOARD, VR-62
       1-216-659-11 s
                         METAL CHIP 2.2k
                                          0.50% 1/10W
R7 27
       1-216-663-11
                     8
                        METAL CHIP 3.3k
                                          0.50%
                                                1/10W
       1-216-644-11 s METAL CHIP 510
                                          0.50% 1/10W
R730
                                                                       RV541 1-230-501-11 s VAR, CARBON 20k/20k
       1-216-651-11
                                                 1/10W
R733
                     8
                         METAL CHIP 1k
       1-216-651-11 s METAL CHIP 1k 0.50% 1/10W 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
R734
R735
                         METAL CHIP 150
                                          0.50%
                                                 1/10W
R736
       1-216-631-11
                     8
                         METAL CHIP 2k
       1-216-658-11
                     8
R7 41
                                                                       SWITCHING REGULATOR UR-21B
       1-216-619-11
                        METAL CHIP 47
                                          0.50% 1/10W
                         METAL CHIP 10
                                          0.50% 1/10W
       1-216-603-11 s
1-216-639-11 s
R7 46
                        METAL CHIP 330
R749
                                                                              1-413-307-24 s SWITCHING REGULATOR UR-21B
       1-237-51 5-21 s VAR, CERMET
                                          1 k
RV1
       1-237-503-21 s VAR, CERMET
                                          10k
RV2
                        VAR, CERMET
                                                                             1-541-524-11 s DC FAN
                                          10k
                                                                       M201
       1-237-51 8-21
RV4
                        VAR,
                              CERMET
                                           500
RV5
       1-237-51 5-21
                        VAR, CERMET
                                          1 k
       1-237-51 4-21
                         VAR, CERMET
                                           500
RV9
                     8
       1-237-51 5-21
                         VAR, CERMET
                                           1k
RVI 0
                                                                       UR-21 B C1 BOARD
       1-237-51 5-21
                        VAR, CERMET
                                          1 k
RV11
       1-237-51 5-21
                      8
                        VAR, CERMET
                                          1 k
                                                                                                                      10%
                                                                       C51
                                                                              1-161-925-91 s CERAMIC
                                                                                                              100pF
                                                                                                                           500 V
                         VAR, CERMET
RV1 4
       1-237-501-21
                                           2k
                                                                              1-161-925-91 s
                                                                                               CERAMIC
                                                                                                              100pF
                                                                                                                      107
                                                                                                                           500 V
                                                                       C52
                         VAR, CERMET
                                           5k
                                                                                                                      207
                                                                                                                            16 V
                                                                       C53
                                                                              1-131-458-51
                                                                                               TANTAL
                                                                                                              1.5
       1-237-517-21
RV1 5
                                                                              1-130-018-51
                                                                                                                       5%
                                                                                                                            50 V
                                                                                                              0.001
       1-237-51 2-21
                                                                                            s FILM
                         VAR, CERMET
                                           100
                                                                       C55
RV16
                                                                                                                            50 V
                                                                              1-130-528-51
                                                                                               TEREPHTHALATE 0.1
                                                                       C56
RV17
       1-237-51 2-21
                      s VAR, CERMET
                                          100
                         VAR, CERMET
       1-237-51 2-21
                      8
                                           100
RV1 9
                                                                       C57
                                                                              1-130-506-91 s TEREPHTHALATE 0.0015
                                                                                                                      107
                                                                                                                            50 V
       1-230-838-11 s VAR, METAL FILM 200
RV20
                                                                                                                            50 V
                                                                       C59
                                                                              1-130-528-51 s TEREPHTHALATE 0.1
                                                                                                                      107
                         VAR, METAL FILM
                                                                                                                      20% 100V
        1-230-838-11
                                          200
                                                                       C61
                                                                              1-124-924-91 s ELECT
RV21
       1-237-517-21
                      8
                         VAR, CERMET
                                           1 k
RV6 01
                         VAR, CERMET
                                           500
RV700 1-237-514-21
                      8
       1-237-516-21
                         VAR, CERMET
RV701
RV702 1-237-514-21
                                                                       CN52
                                                                              1-564-352-11 o PIN 7P
                         VAR,
                              CERMET
                                           500
                                                                              1-564-352-11 o PIN 7P
                                                                       CN 53
RV703 1-237-515-21 s VAR, CERMET
RV704 1-237-516-21 s VAR, CERMET
                                           1 k
                                                                       D51
                                                                              1-807-913-21 s 11 EQSO 4
                                                                              1-807-913-21 s 11EQS04
                                                                       D52
                                                                       D53
                                                                              1-807-913-21
                                                                                            s 11EQS04
        1-570-857-11 s DIP
31
                                                                       D54
                                                                              1-807-913-21
                                                                                             s 11 EQS04
        1-571-259-11
                         DIP
S2
        1-571-259-11
                                                                              8-719-911-19
                                                                                            a 188119
 83
                         DIP
                                                                       D55
 84
        1-570-857-11
                      8
                         DIP
                                                                       D56
                                                                               8-719-911-19
                                                                                            s 188119
        1-570-857-11
85
                                                                       D57
                                                                              8-719-109-94
                                                                                            s RD6.2ES-B3
                                                                       D 58
                                                                              8-719-107-87
                                                                                             s 03P2M
                                                                                             s 1SS119
                                                                       D59
                                                                              8-719-911-19
                                                                       D60
                                                                               8-719-911-19
                                                                                             s 1SS119
 VR-42 BOARD
                                                                       D61
                                                                               8-719-911-19 s 1SS119
                                                                       D62
                                                                               8-719-911-19
                                                                                             s 1SS119
        1-622-592-12 o PRINTED CIRCUIT BOARD, VR-42
                                                                               8-719-109-75 & RD4-3ES-B2
                                                                       D63
      1-237-781-11 s VAR, CARBON 10k
                                                                       TC51
                                                                              8-759-937-59 s MB3759 (FUJITSU)
        1-237-781-11 s VAR, CARBON 10k
                                                                       IC52
                                                                              8-759-103-93 s uPC393C (NEC)
 RV12
                                                                       L51
                                                                              1-410-466-21 s MICRO 4.7
```

# WITCHING REGULATOR

- 6 11		<b>5</b>	Pof No	Parts No.	o D	Doganistica			
Ref.No	. Parts No. SP	Description	Kel . NO .	PAILS NO.	SP	Description			
Q51	8-729-208-04 s		UR-21 B	d BOARD					
Q52 Q53	8-729-208-04 s 8-729-117-54 s	2SK422 2SA1175	C101 1	-136-564-11	R	CERAMIC	1000pF	107	500 V
Q54	8-729-178-54			-136-564-11	8		1000pF		500 V
Q55	8-729-117-54			-1 25-477-11			470	20%	400 V
•					8		470	20%	400 V
			C100 1	1-161-915-11	8	CERAMIC	1000pF	10%	500 V
R56	1-247-903-00	CARBON 1M 5% 1/4W	C107 1	-161-915-11	8	CERAMIC	1000pF	10%	500 V
K)O	1 24/ 703 00 .	Canada III III III		-161-915-11			1000pF	10%	500 V
				-161-915-11			1000pF		500V
		TIP AMERICAN II		1-1 24-636-51 1-1 30-516-91			3300	20% 10%	25V 50V
RV 51	1-228-990-11	VAR, METAL GLAZE 1k			•		0.01	10%	JU V
				-1 24-891-51	8		10000	20%	6.3V
				-130-772-21	8	FILM	0.22	10%	637
				-1 24-621-51  -1 30-772-21		FILM	3300 0.22	20% 10%	6.3V 63V
IJR-211	C2 BOARD			-1 24-585-51			3300	20%	107
C51	1-161-925-91					TEREPHTHALATE		10%	50 V
C52	1-161-925-91			1-130-524-51 1-130-524-51		TEREPHTHALATE TEREPHTHALATE		10%	50 V 50 V
C56 C57	1-130-528-51	TEREPHTHALATE 0.1 10% 50V TEREPHTHALATE 0.0015 10% 50V		-1 24-1 20-51			220	20%	25V
C59		TEREPHTHALATE 0.1 10% 50V		-130-772-21			0.22	10%	63V
			C229 1	120 772 01		777.V			
				1 30-77 2-21 1 30-77 2-21		FILM	0.22	10%	63 V 63 V
CN52	1-564-352-11	PIN 7P		. 130 //2 21	•	1 1211	0.22	104	031
CN 53	1-564-352-11								
			A CN101 1	-564-242-11	٥	5P			
D51	1-807-913-21				•				
D 52	1-807-913-21	11 EQS04				9 P			
D 53	1-807-913-21			-560-893-11 -560-299-11	0	5P 2P			
D54 D55	1-807-913-21 1-719-911-19				0	2 P 2 P			
275	1-/1/-/11/1/	. 100117			·				
D56		155119							
D57	8-719-110-41 8-719-107-87		D101 8	3-719-109-75		PDA 3FG-R2			
D58 D59		3 1SS119		3-719-912-20		188120	,		
D60		3 1SS119		-807-913-21		•			
		100110		-807-913-21 -807-774-11		11 EQ SO 4			
D61 D62		1 188119 3 188119	D201 1		8	AUUZA			
D63	8-719-110-22			-719-109-85	8	RD5.1 ES-B2			
				719-109-85		RD5.1 ES-B2			
				-719-911-19 -719-200-02		1SS119			
1051	8-759-937-59	MB3759 (FUJITSU)		719-200-02		10E2			
1C52		uPC393C (NEC)	D007 *	807 011 11		#10#/OF			
				-807-911-11 -719-200-02					
				-719-200-02 -719-200-02					
L51	1-410-466-21	MICRO 4.7	D210 8-	-719-302-60	8	FML-32S			
_			D21 I 1	-807-963-21	8	31DF2			
			D21 2 1	-807-963-21		31 1172			
Q51	8-729-208-04	2 2 SK 42 2		-719-110-13					
Q52	8-729-208-04		D21 4 1	-807-911-21					
Q53	8-729-117-54	3 2SA1175		-719-912-20					
Q54	8-729-178-54		D216 8-	-719-912-20	8	188120			
Q55	8-729-117-54	5 45MI1/3	D220 8-	-719-200-02	8	10E2			
				-719-200-02					
R56	1-247-903-00	s CARBON 1M 5% 1/4W							
				-					
RV 51	1-228-990-11	VAR, METAL GLAZE 1k							

```
Ref.No. Parts No. SP Description
 FB201 1-543-060-11 s FERRITE BEAD
 FB202 1-543-060-11 s
FB203 1-543-060-11 s
                            FERRITE BEAD
                            FERRITE BEAD
                            FERRITE BEAD
 FB204 1-543-060-11 s
 FB205 1-543-060-11 s FERRITE BEAD
 FB206 1-543-060-11 s FERRITE BEAD
 IC101 1-807-814-11 s B5272 (JRM)
 IC201 8-759-135-80 s uPC358C (NEC)
IC202 8-759-077-33 s TL431CLP (TI)
 IC203 8-759-077-33 s TL431CLP (TI)
         A-4935-038-A s CHOKE
 1.201
         1-421-459-21 s
                              CHOKE
 1.202
 L203
          A-4935-037-A s
                              CHOKE
  L204
          1-421-459-21 s
                              CHOKE
          1-421-734-11 s CHOKE
  L205
         1-421-459-21 s CHOKE
1-421-459-21 s CHOKE
  L206
  L207
A PS101 1-532-605-11 s IC LINK
PS102 1-532-605-11 s IC LINK
PS201 1-532-605-11 s IC LINK
          1-807-858-11 s IREP451
  Q101
          1-807-858-11
                             IREP451
  Q102
          8-729-113-32
                          s 2SB733
  0103
          8-729-113-32
                           s 2SB733
  Q104
          8-729-103-43 s 2SB734*(28)
   Q201
                          s 2SC2785*(28)
  0202
          8-729-178-54
  Q203
          8-729-178-54
                          s 2SC2785*(28)
                          s 2SC2785*(28)
   Q204
          8-729-178-54
          1-807-914-11 s 2SAI 443-L
8-729-177-43 s 2SD774
   Q205
   Q206
   Q207
          1-807-914-11 s 2SA1443-L
          8-729-117-54 8 2SA1175
1-807-915-11 8 2SC3692-L
8-729-178-54 8 2SC2785*(28)
   Q208
   Q209
   0210
                                                    5% 1/4W
          1-247-713-11 s CARBON
   R102
                                                    5% 1/4W
           1-247-692-11 s CARBON
1-247-692-11 s CARBON
1-205-622-00 s CEMENT
                                             22
 ₼ R103
                                                        1/4W
   R104
                                             22
                                                    5%
                                                           5W
                                             33
   R107
                                                    5% 1/4W
           1-247-698-11 s CARBON
                                             68
   R203
           1-205-623-00 s CEMENT
 ♠ R210
           1-215-888-00 s METAL OXIDE 2220
                                                    5Z
   R21 2
                                             220k 5% 1/4W
           1-247-887-00 s CARBON
           1-215-866-11 s METAL OXIDE 330
                                                          1 W
                                                    57
A R220
```

R221

1-247-696-11 s CARBON

Ref.No. Parts No. SP Description

<u>↑</u> R225 1-215-865-11	8	METAL OXIDE	220	5%	1 W
R229 1-214-669-71	8	METAL	3.3	17	1/4W
A R230 1-215-889-00 R231 1-215-889-00	8		330 330	5% 5%	2W 2W

RV201 1-230-667-11 s VAR, CERMET 500

ST201 1-571-055-91 8 THERMAL SENSOR

A 71 A1	1 //0 202 11	_	CONVERTER
<b>≜</b> T101	1-448-393-11		
T102	A-4935-035-A	8	CONVERTER
T103	1-421-819-11	8	CURRENT
T104	1-437-188-11	8	DRIVE
T105	1-437-188-11	8	DRIVE
T1 06	1-447-938-11	8	CONVERTER

#### UR-21 B M2 BOARD

100600	****************	000000000000000000000000000000000000000					
- X	C1 51	1-136-185-12	8	FILM	0.22	20%	250 V
- 8	C1 52	1-136-185-12	8	FILM	0.22	20%	250 V
	C154	1-136-185-12	8	FILM	0.22	20%	250 V
- #	C155	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
	C1 56	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
338					•		
100000		********************************					
Ä	C1 57	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
- 8 -	C1 58	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
	C1 59	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
3300					-		
	C161	1-136-564-11	8	FILM	1.8	10%	250 V
	C162	1-136-564-11	8	FILM	1.8	10%	250 V
	C163	1-161-915-11	8	CERAMIC	1000pF	10%	500 V
	C164	1-161-915-11	8	CERAMIC	1000pF	10%	500 V
3388							
# Z	C165	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
- 3	C166	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
	C167	1-161-742-12	8	CERAMIC	2200pF	20%	400 V
9386							
	C251	1-161-915-11	8	CERAMIC	1000pF	10%	500 V
	C252	1-161-915-11	8	CERAMIC	1000pF	10%	500 V
	C253	1-124-556-51	8	ELECT	2200	20%	16 V
	C254	1-124-555-51	8	ELECT	1000	20%	16 V
	C255	1-124-923-91	8	ELECT	0.47	20%	100 V
	C256	1-124-898-51	8	ELECT	4700	20%	16 V
	C257	1-124-898-51	8	ELECT	4700	20%	16 V
	C258	1-124-898-51	8	ELECT	4700	20%	16 V
	C260	1-124-563-51	8	ELECT	2200	20%	25V
	C263	1-130-518-91	8	TEREPHTHALATE	0.015	10%	50 V
	C26 4	1-130-524-91	8	TEREPHTHALATE		10%	50 V
	C26 5	1-130-524-91	8	TEREPHTHALATE		10%	50 V
	C268	1-130-772-21	8	FILM	0.22	10%	63 V
	C26 9	1-130-772-21	8	FILM	0.22	10%	63 V
	C270	1-130-772-21	8	FILM	0.22	10%	63 V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts Light".

5% 1/4W

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## SWITCHING REGULATOR

```
Ref.No. Parts No. SP Description
☆ CN151 1-564-215-11 o PIN 4P
   CN251 1-566-313-11 o PIN 7P
   CN252 1-560-893-11 o PIN 5P
CN253 1-560-890-21 o PIN 2P
           1-807-907-11 s KB088JLM
1-807-913-21 s 11 EQ SO 4
1-807-913-21 s 11 EQ SO 4
   D1 53
   D1 54
   D2 51
           1-807-909-11 s F10P20F
           1-807-921-11 s FMG-34S
           1-807-911-21 s F10P40FR
   D2 53
           8-719-109-97 s RD6.8ES-B2
   D254
   D255
           8-719-912-20 s 1SS120
            8-719-912-20 s 1SS120
   D257
           8-719-200-02 s 10E2
           8-719-911-19 s 1SS119
   D258
   D260
           8-719-912-20 s 1SS120
           1-532-604-21 s 250V 3A
 ▲ F1 51
   FB251 1-543-060-11 s FERRITE BEAD FB252 1-543-060-11 s FERRITE BEAD
    FB 2 53 1-543-060-11 s FERRITE BEAD
   FB253 1-543-060-11 8 FERRITE BEAD
FB255 1-543-060-11 8 FERRITE BEAD
    FB 2 56 1-543-060-11 s FERRITE BEAD
    IC251 8-759-007-33 s TL431CLP (TI)
            1-421-590-11 s LINE FILTER
1-421-978-11 s LINE FILTER
  A-4935-039-A & CHOKE
    L2 51
            1-421-459-21 s
                               CHOKE
    L2 52
    L2 53
            1-421-734-11 s
                               CHOKE
            1-408-322-11 s CHOKE
    L2 54
            1-421-459-21 s CHOKE
1-421-978-11 s LINE FILTER
    L255
            1-807-858-11 s IREP451
    Q1 51
    Q1 52
            1-807-858-11 s IREP451
    Q1 53
            8-729-113-32 s 2SB733
           8-729-113-32 s 2SB733
8-729-178-54 s 2SC2785*(28)
    Q1 54
    Q2 51
    Q2 52 1-807-915-11 s 2SC3692-L Q2 53 8-729-178-54 s 2SC2785*(28)
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Ref.No	. Parts No.	SP	Description			
R1 51	1-202-727-11	8	SOLID	4.7M	10%	1/2W
↑ R1 52 R1 53 R1 54 R1 55	1-205-915-11 1-205-915-11 1-247-692-11 1-247-692-11	8	WIREWOUND WIREWOUND CARBON CARBON	4.7 4.7 22 22	107 107 57 57	7 W 7 W 1/4 W 1/4 W
<u>↑</u> R1 58 R2 51 R2 54	1-205-652-11 1-205-622-11 1-215-865-11		CEMENT CEMENT METAL	68 33 220	5% 5% 5%	5W 5W 1W
R258	1-214-669-71	8	METAL	3.3	17	1/4W
<u>∱</u> R259	1-215-889-00	8	METAL OXIDE	330	5%	2W
<u></u> <b>A</b> R260	1-215-889-00	8	METAL OXIDE	330	5%	2W
RV251	1-230-668-11	8	VAR, CERMET	1k		
<u></u> <b>A</b> RY151	1-515-662-11	8	POWER			
ST251	1-571-055-71	. 8	THERMAL SENS	OR		
▲ T1 51 T1 52 T1 53 T1 54	A-4935-036-A 1-421-819-11 1-437-188-11 1-437-188-11	8 8	CONVERTER CURRENT DRIVE DRIVE			

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Ref.No. Parts No. SP Description
  Ref.No. Parts No. SP Description
                                                                                       1-541-431-31 s
                                                                                                          MOTOR, DC "FAN"
                                                                                MOOI
  FRAME
                                                                                                          MOTOR, DC MCB2B15 "THREADING"
MOTOR "L/S POSITION"
                                                                                       8-835-179-01
                                                                                M002
                                                                                                       8
                                                                                       8-835-179-01
          A-6050-552-A s HEAD DRUM ASS'Y, DBH-06A-R
                                                                                M003
                                                                                                      8
                                                                                                          MOTOR, DC BHF-1918A "CAPSTAN"
MOTOR ASS'Y "S-REEL"
           A-6730-924-A o INDICATION TUBE ASS'Y
                                                                                M004
                                                                                       8-835-259-01
                                                                                        A-6737-175-A
           A-6734-243-A o KEY CHASSIS ASS'Y
                                                                                M006
           A-6762-349-A s DRUM ASS'Y, UPPER, DBR-06-R
                                                                                                          MOTOR ASS'Y "T-REEL"
                                                                                M007
                                                                                       A-6737-175-A s
1-541-376-11 s
                                                                                M008
                                                                                                          MOTOR, DC DNR-4700A "UP/DOWN"
           1-413-307-24 s SWITCHING REGULATOR, UR-21B
Δ
                              CONVERTER, DC-DC (INDICATION TUBE)
           1-464-821-11
                         8
                                                                                MEOO2 1-520-494-21 8 "RF"
           1-520-496-11
                              AUDIO LEVEL METER (INDICATION TUBE)
           1-559-261-11
                              FLAT CABLE (KEY CHASSIS)
FLAT CABLE (CASSETTE UP COMPARTMENT)
           1-559-265-11
                                                                                PLOO1 1-518-508-00 s 12V 60mA "CASSETTE LAMP"
                                                                                PL002 1-518-508-00 s 12V 60mA "CASSETTE LAMP"
                                                                                                      s 12V 60mA "CASSETTE LAMP"
                                                                                PL003 1-518-508-00
À CBOO1 1-576-036-11 s BREAKER, CIRCUIT 6.3A
                                                                                       1-454-372-11 s
                                                                                                         SOLENOID "CLEANER"
                                                                                PMOO1
                                                                                                         SOLENOID "PINCH"
                                                                                        1-454-338-00
                                                                                PM002
                                                                                                      8
А CNOO1 1-580-375-21 в 3P INLET
                                                                                                           SOLENOID "S-BRAKE"
                                                                                PM003
                                                                                        1-454-417-31 s
                                                                                                           SOLENOID "T-BRAKE"
                                                                                PM004
                                                                                        1-454-417-31
          1-509-176-51 s RECEPTACLE, XLR, MALE
                               "TIME CODE OUT'
                              RECEPTACLE, XLR, MALE "CH-1 OUT"
    CNOO8 1-509-176-51
                                                                             ∆ S001
                                                                                        1-570-117-31 s ROCKER "POWER"
    CNO09 1-509-176-51 s
                               RECEPTACLE, XLR, MALE
                               "CH-2 OUT"
    CNO10 1-509-176-51
                               RECEPTACLE, XLR, MALE
                               "CH-3 OUT"
                              RECEPTACLE, XLR, MALE
    CNO11 1-509-176-51 s
                               "CH-4 OUT"
    CNO12 1-509-176-51
                              RECEPTACLE, XLR, MALE
"SELECTED CH-1/CH-3 OUT"
                               RECEPTACLE, XLR, MALE
    CNO13 1-509-176-51 8
                               "SELECTED CH-2/CH-4 OUT"
                              RECEPTACLE, 8P "MONITOR OUT"
RECEPTACLE, BNC "VIDEO-1 OUT"
    CNO14 1-509-095-00 s
    CNO15 1-561-781-21
                              RECEPTACLE, BNC "VIDEO-2 OUT"
RECEPTACLE, BNC "VIDEO-3 OUT"
RECEPTACLE, 12P, FEMALE
    CNO16 1-561-781-21
           1-561-781-21
    CNO17
          1-562-160-00
                               "DUB/COMPONENT 1 OUT"
                              RECEPTACLE, BNC "COMPONENT 2 Y OUT"
RECEPTACLE, BNC "COMPONENT 2 R-Y OUT"
    CNO 29 1-561-781-21
                          8
    CNO30 1-561-781-21
                               RECEPTACLE, BNC "COMPONENT 2 B-Y OUT"
                              PLUG HOUSING (TO SW'ING REG)
PLUG HOUSING (TO SW'ING REG)
    CN430 1-562-285-11
                           0
    CN431 1-562-833-11
                           0
    CN432 1-562-800-11
                               PLUG HOUSING (TO SW'ING REG)
                           0
```

8-825-554-73 s HEAD, CTL PS244-21 "CTL"

1-543-316-21 s SENSOR "TAPE END SENSOR"

1-543-316-21 s SENSOR "TAPE BEGINNING SENSOR"

HEAD PS244-2103C "AUDIO/TIME CODE"

H002

H004

18

8-825-771-11 s

# 19-4. PACKING MATERIAL AND ACCESSORIES (SUPPLIED)

Parts No. SP Description

A-6729-474-A s MOUNTED PCB, EX-116
A-6729-475-A s MOUNTED PCB, EX-134
A-6729-476-A s MOUNTED PCB, EX-151
1-555-873-13 s CABLE, REMOTE CONTROL 9P

<u>A</u> 1-556-760-11 s CORD, POWER

3-701-616-00 s BAG, POLY 3-701-623-00 s BAG, POLY 3-701-630-00 s BAG, POLY 3-701-632-00 s BAG, POLY 3-701-649-00 s BAG, POLY

3-725-093-02 o INDIVIDUAL CARTON 3-721-869-03 o CUSHION, UPPER 3-721-870-02 o CUSHION, LOWER

### 19-5. FIXTURE (OPTION)

Parts No. SP Description J-6001-820-A s DRUM ECCENTRICITY GAUGE (3) J-6001-830-A s DRUM ECCENTRICITY GAUGE (2) J-6001-840-A s DRUM ECCENTRICITY GAUGE (1) J-6031-820-A s MULTI CONNECTOR CABLE (DIBNC) J-6080-011-A s REEL TABLE TENSION GAUGE J-6086-570-A s FLATNESS PLATE J-6087-000-A s DRUM ECCENTRICITY GAUGE (5) J-6152-450-A s WIRE CLEARANCE GAUGE J-6190-800 A 8 TENSION REGULATOR SLANTNESS CHECK GAUGE J-6320-680-A s REEL TABLE HEIGHT GAUGE J-6320-870-A s REEL MOTOR SHAFT SLANTNESS CHECK GAUGE J-6320-880-A s CASSETTE REFERENCE PLATE Y-2031-001-0 s CLEANING FLUID 2-034-697-00 s CLEANING PIECE 7-723-902-00 s INSPECTION MIRROR 7-732-050-20 s TENSION SCALE (50G FULL SCALE)
7-732-050-30 s TENSION SCALE (100G FULL SCALE) 8-960-096-51 ALIGNMENT TAPE, CR2-1B PS 8-960-096-91 s ALIGNMENT TAPE, CR5-1B PS 8-960-098-37 s ALIGNMENT TAPE, CR5-1A PS 8-960-096-86 s ALIGNMENT TAPE, CR8-1B PS 9-911-053-00 s THICKNESS GAUGE Standard HEAD DEMAGNETIZER (HE-4) products